

FIG. 1

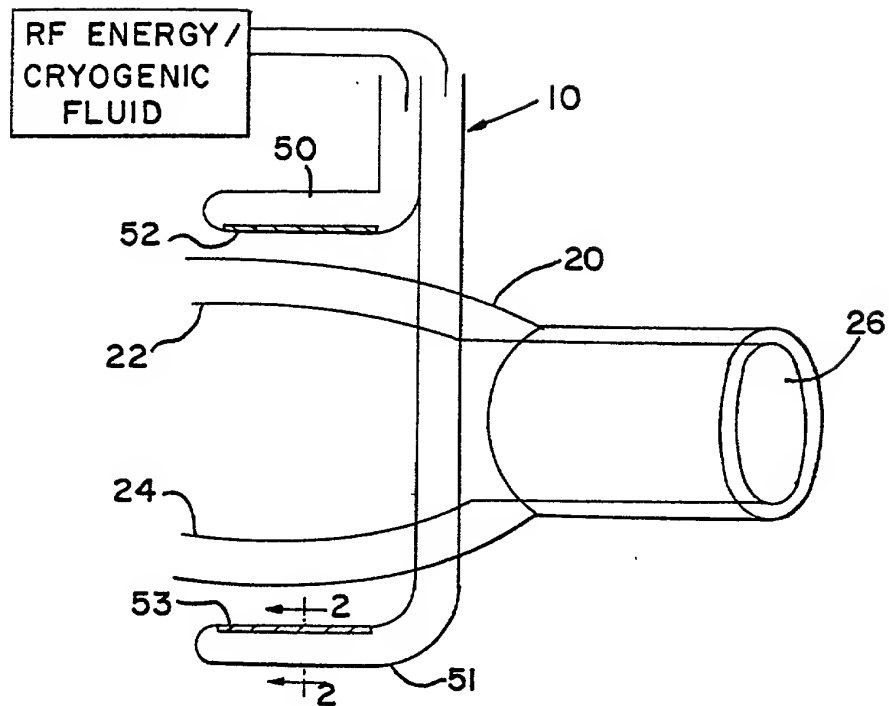


FIG. 2

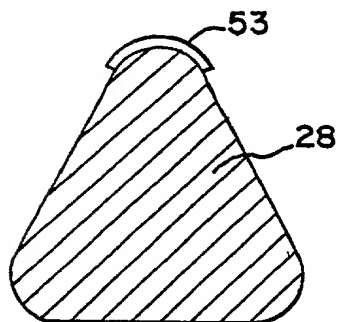


FIG. 3

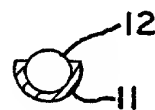


FIG. 4

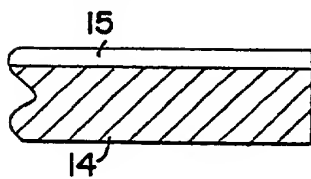


FIG. 5

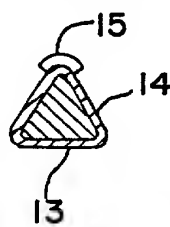


FIG. 6

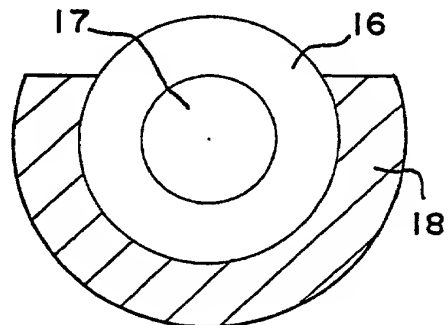


FIG.7

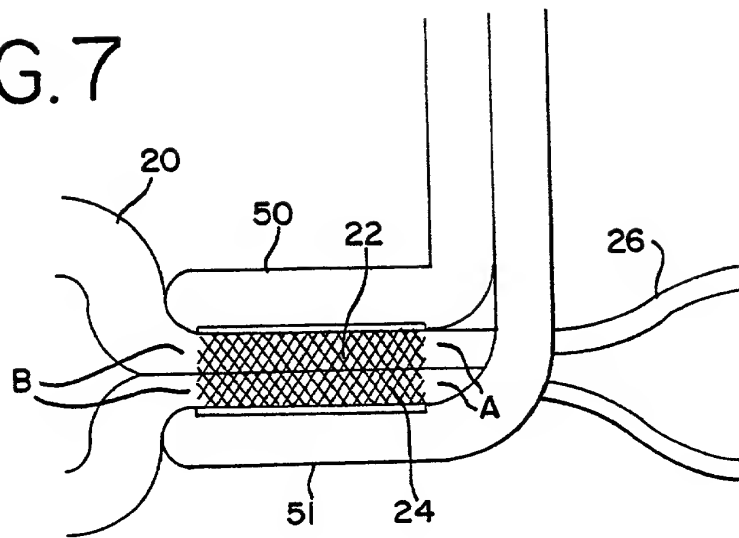


FIG.8

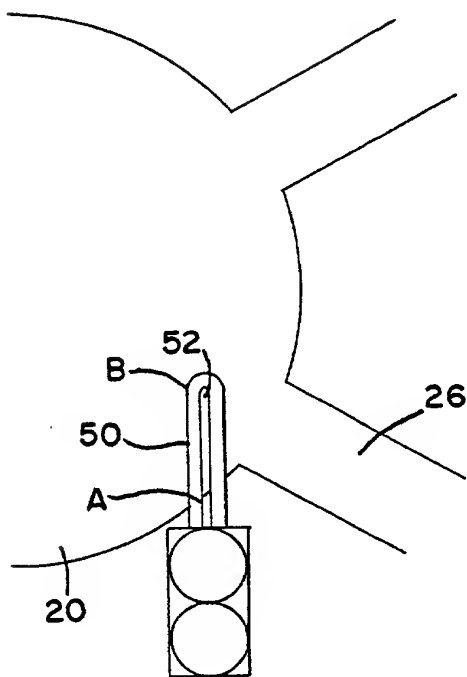
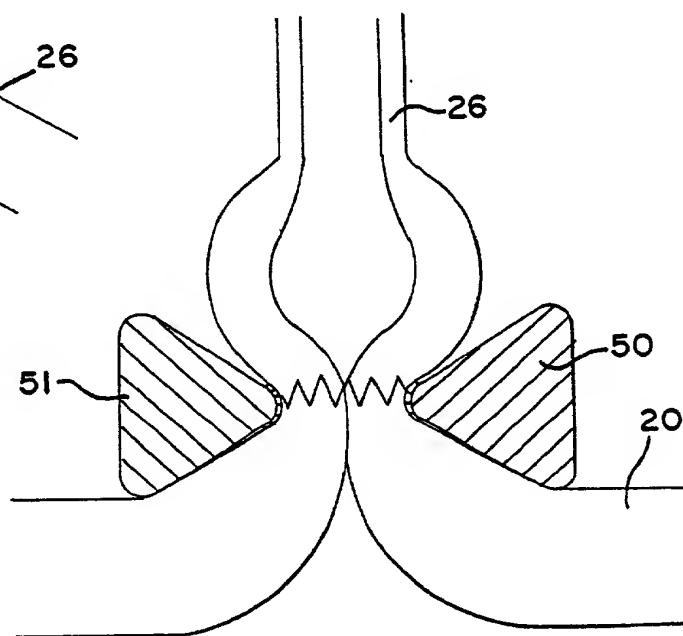


FIG.9



[illegible][illegible][illegible]

FIG.13

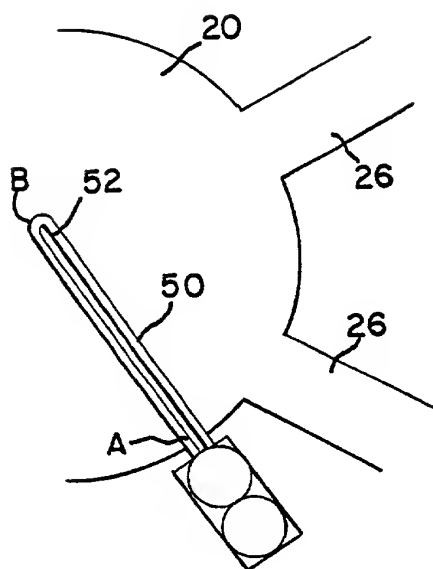


FIG.14

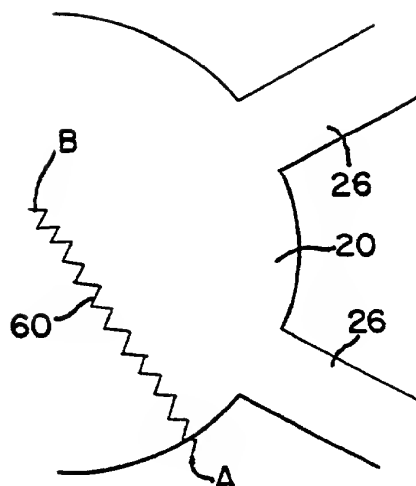


FIG.16

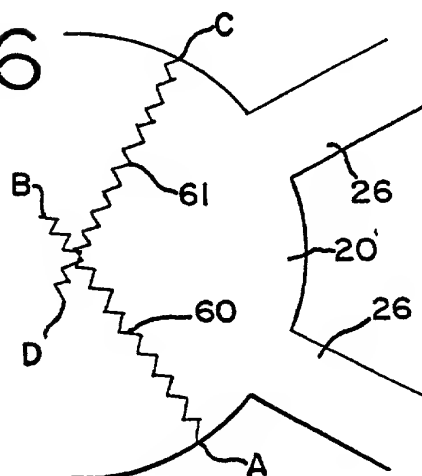


FIG.15

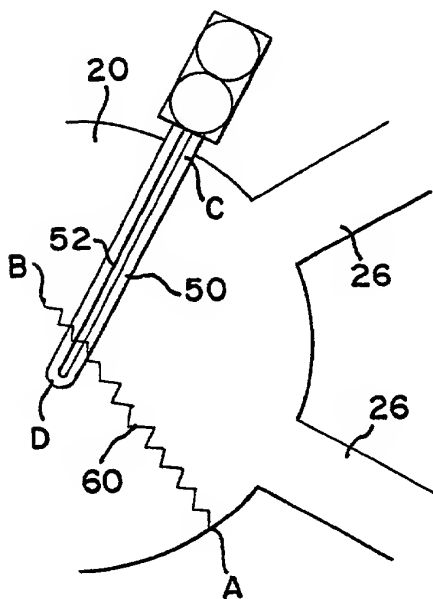


FIG.17

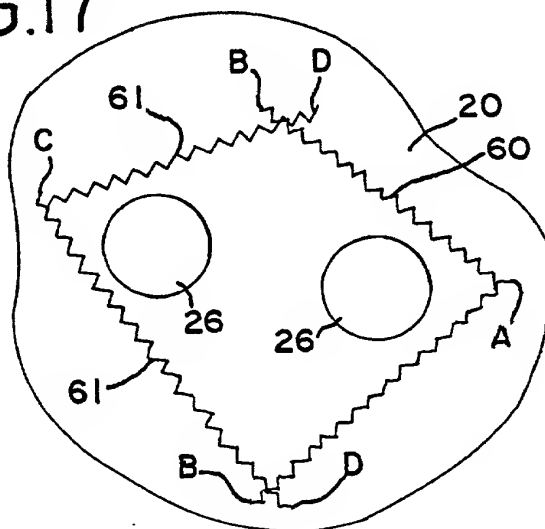


FIG. 19

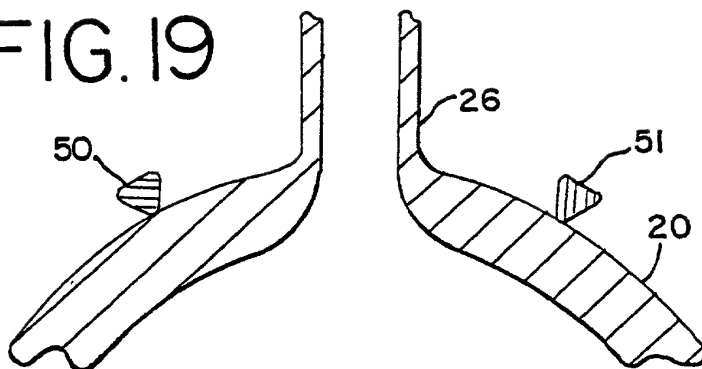


FIG. 18

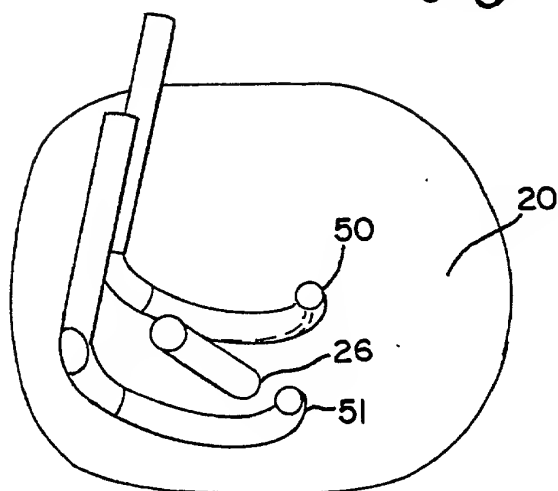


FIG. 21

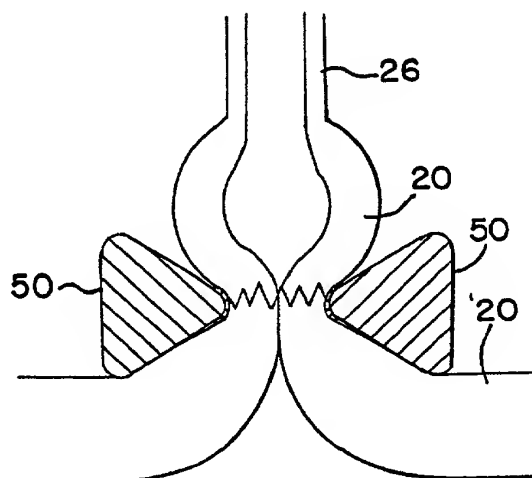


FIG. 20

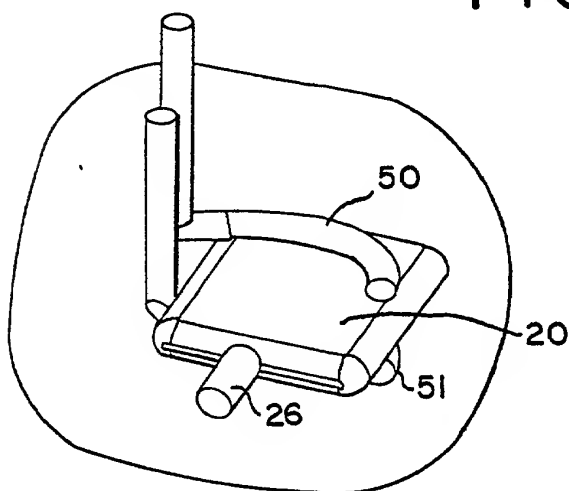


FIG. 22

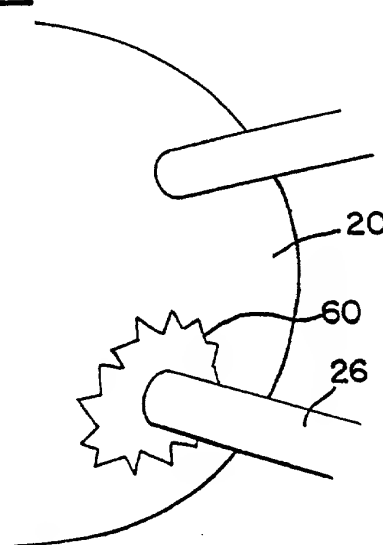


FIG.24

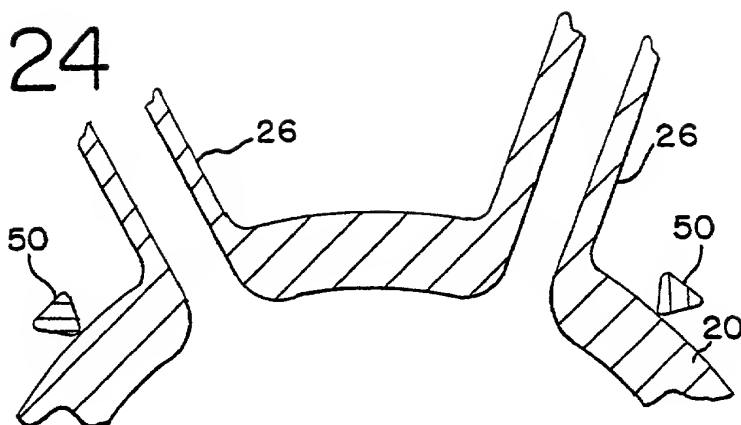


FIG.23

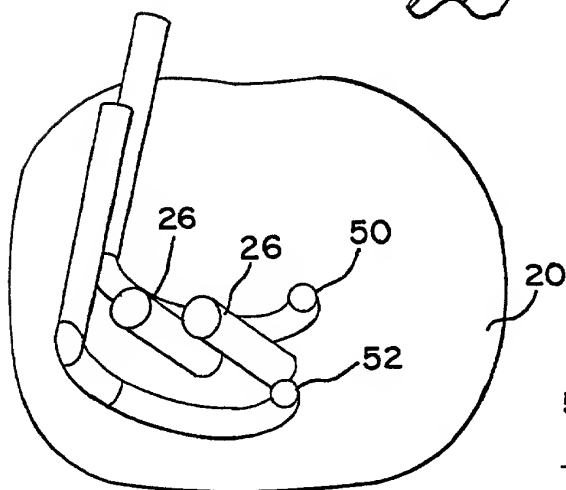


FIG.26

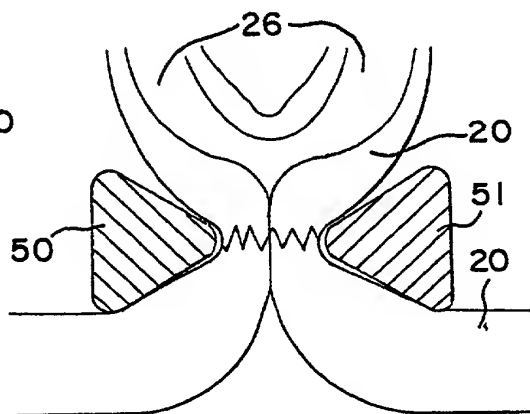


FIG.25

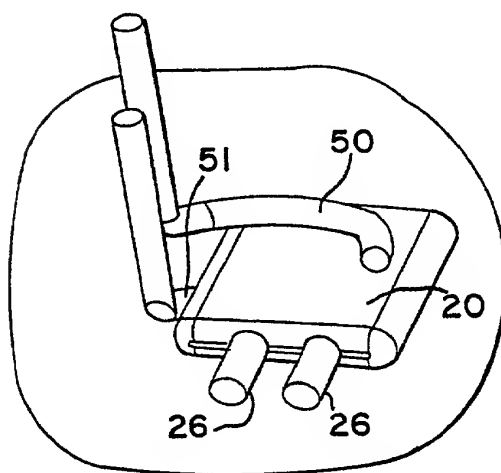
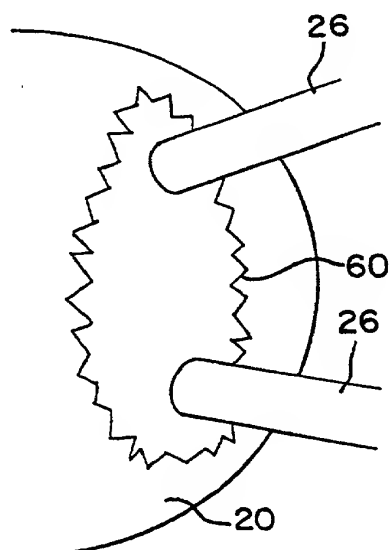


FIG.27



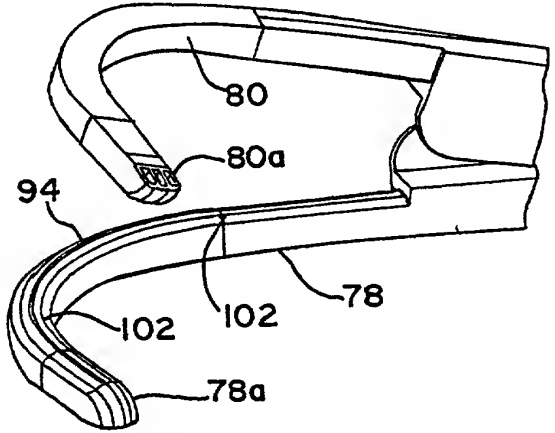
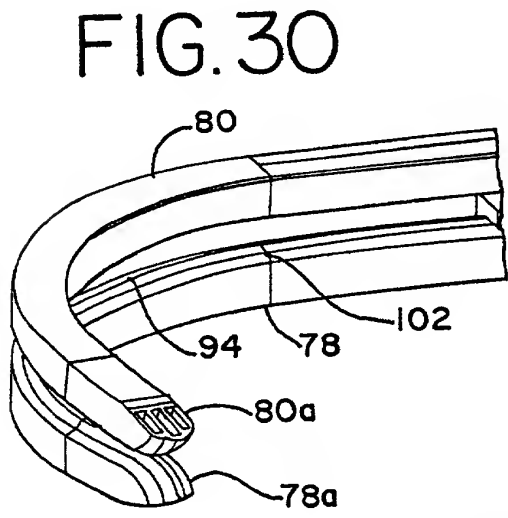
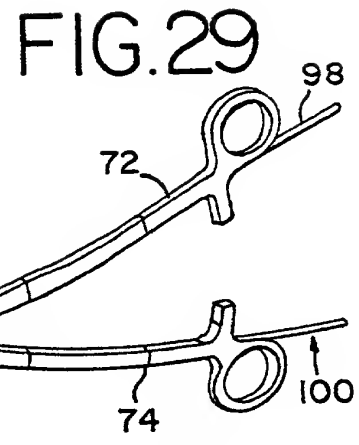
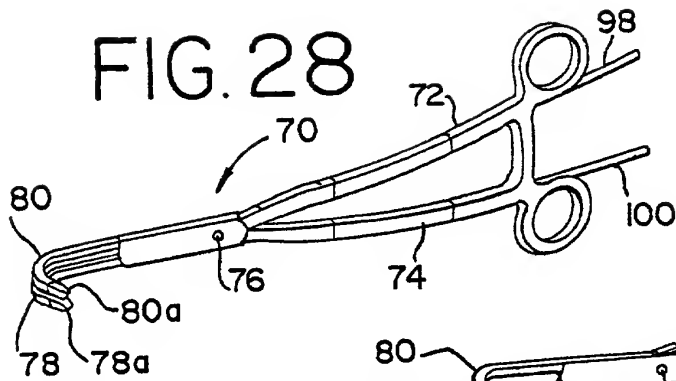


FIG. 32

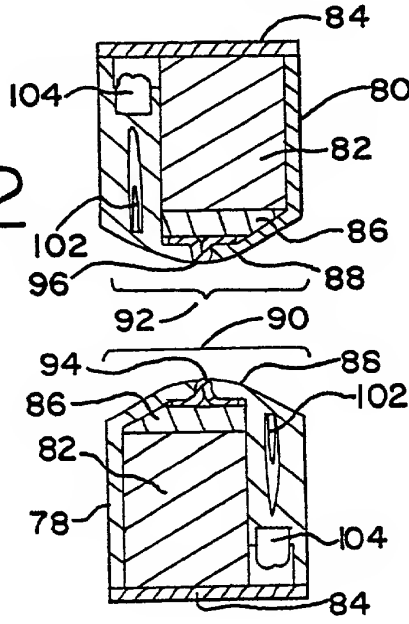


FIG. 33

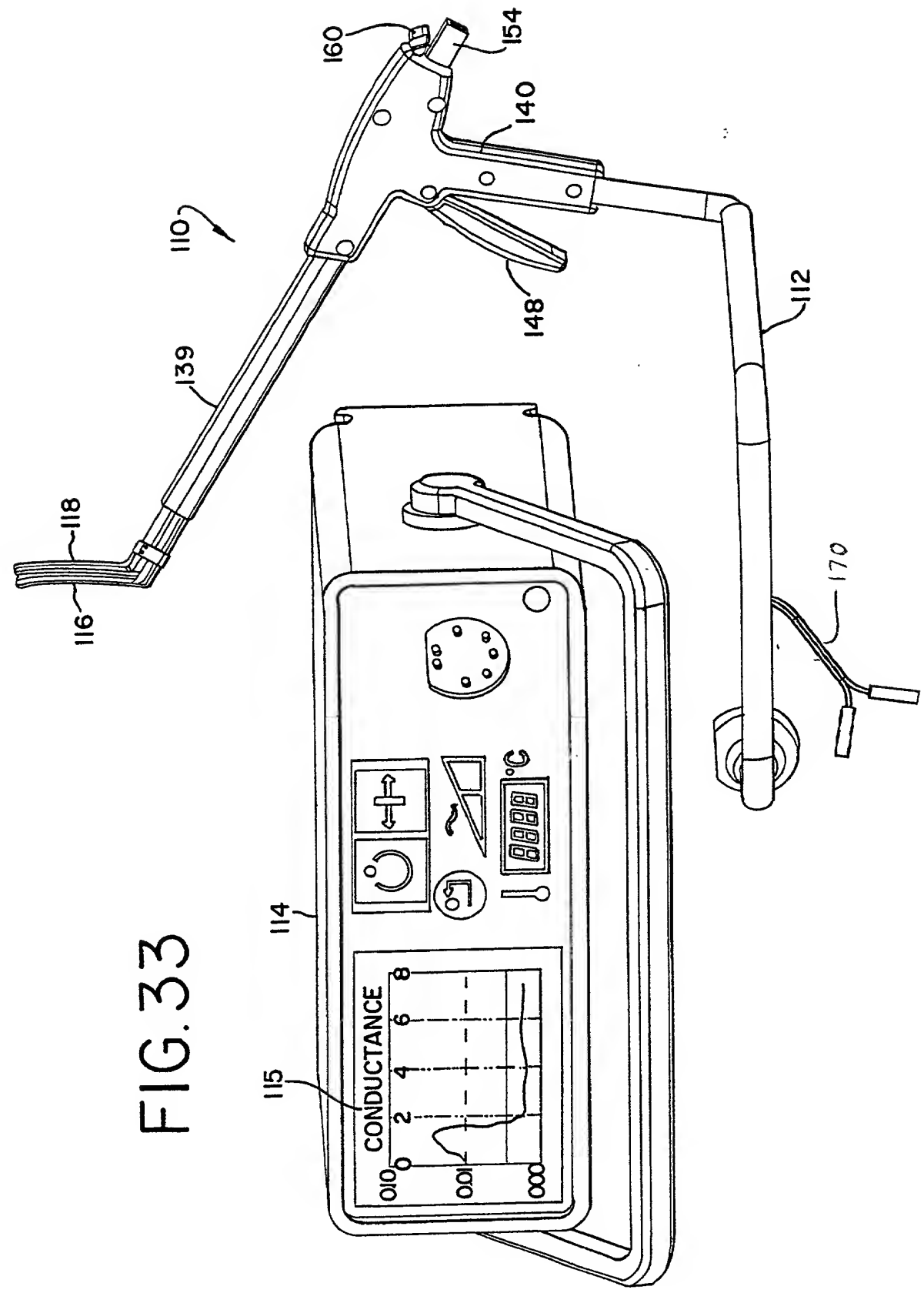


FIG. 34

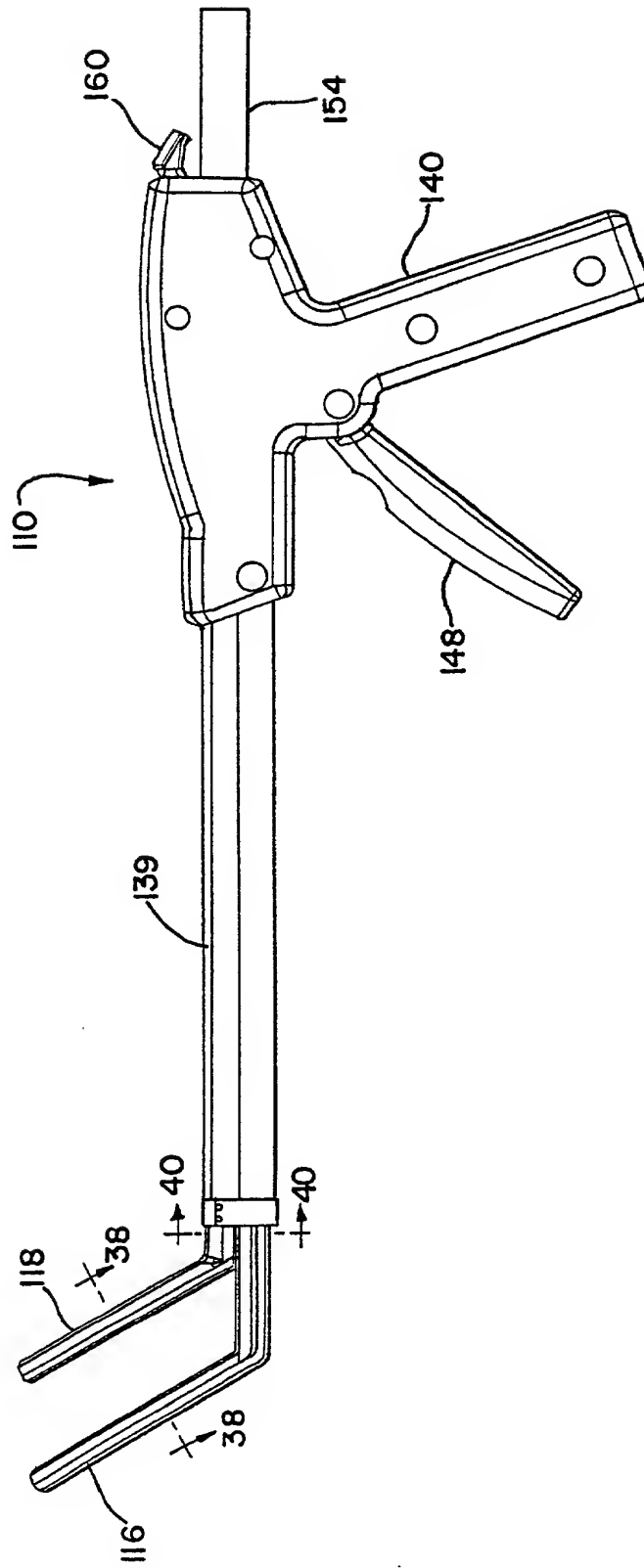
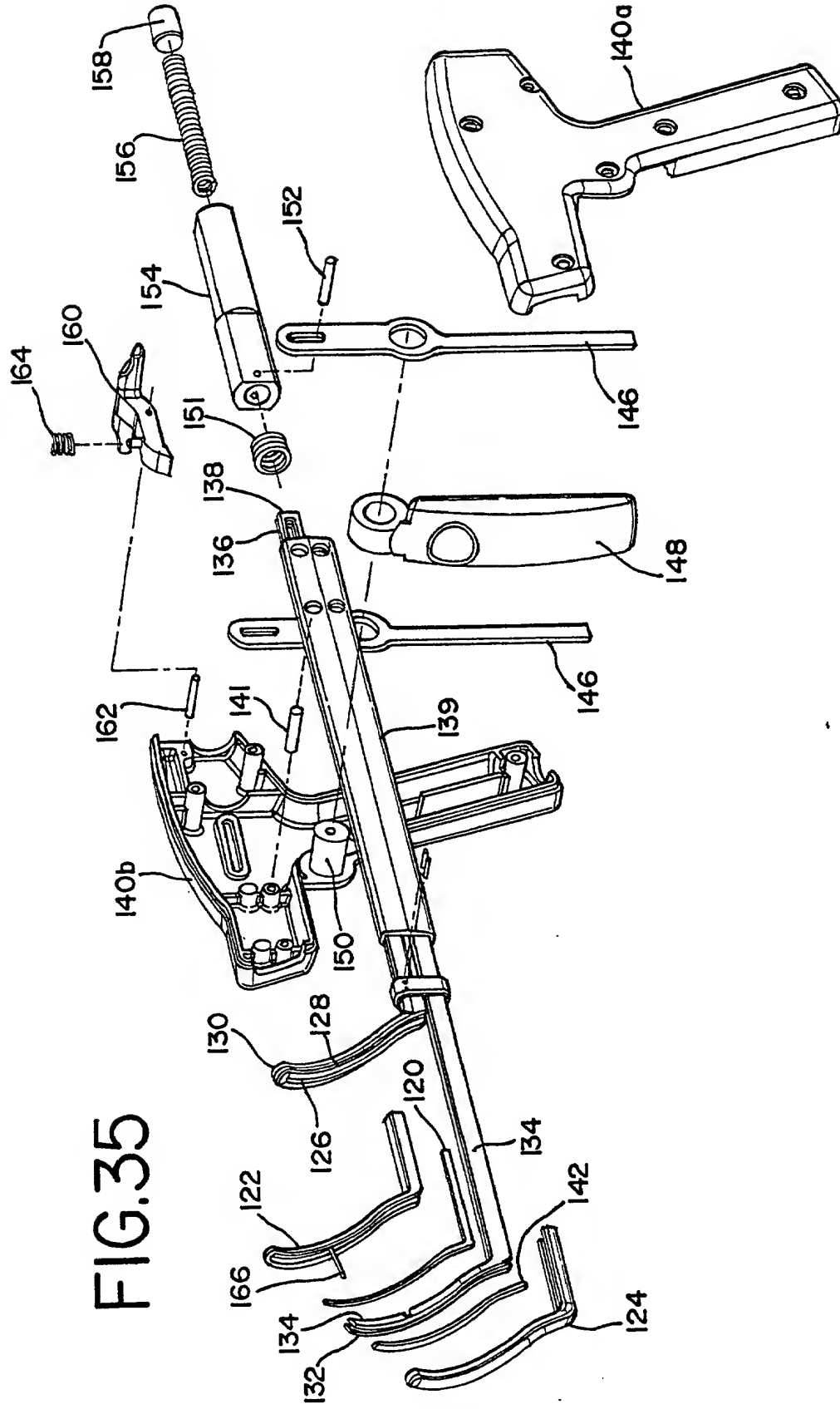


FIG. 35



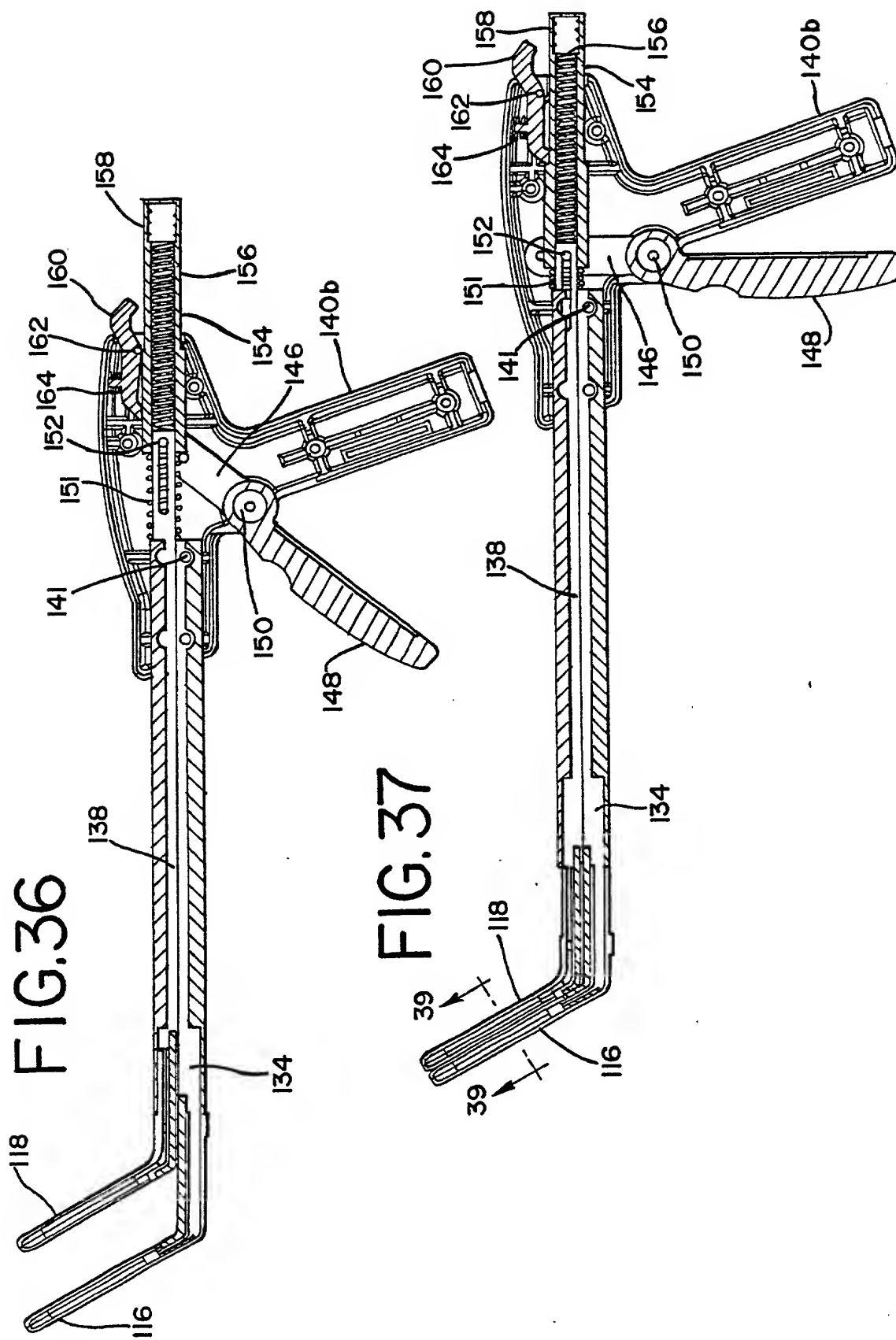


FIG.38

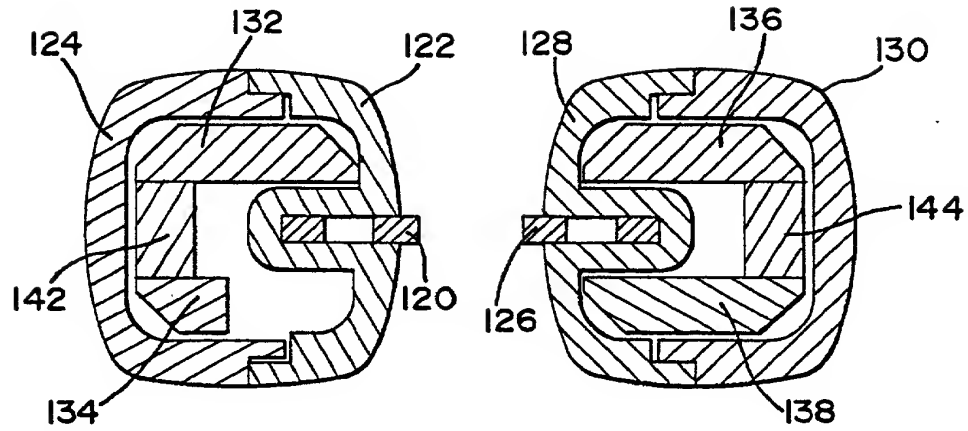


FIG.39

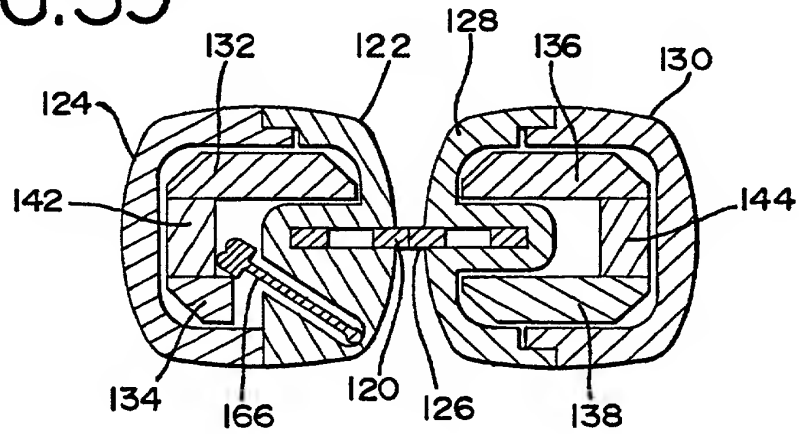


FIG.40

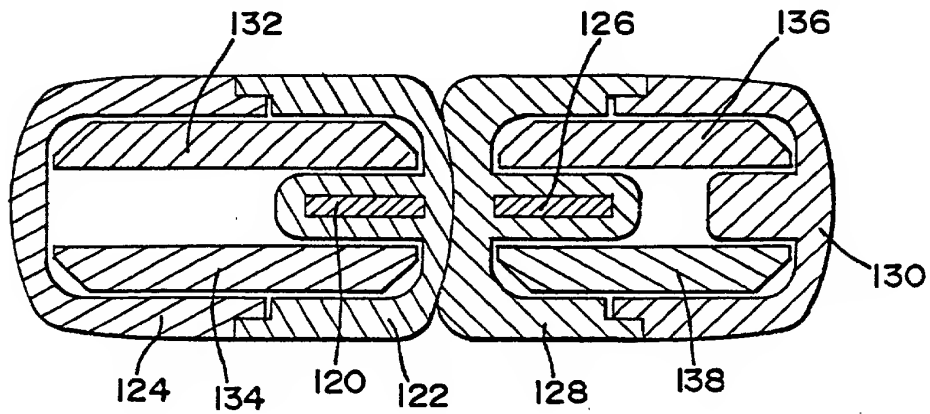


FIG.41

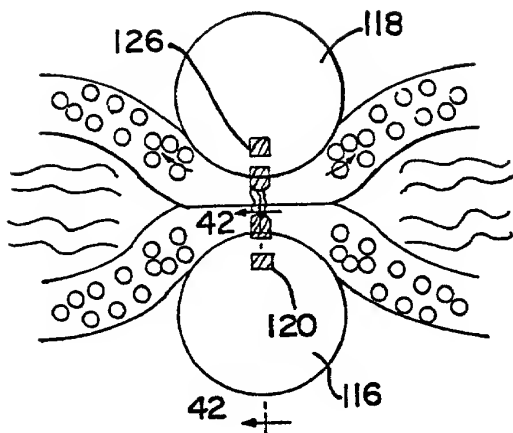


FIG.42

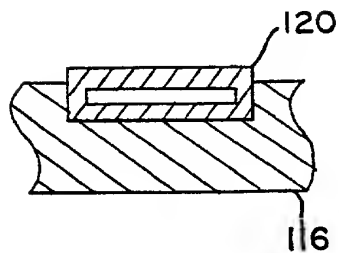


FIG.43

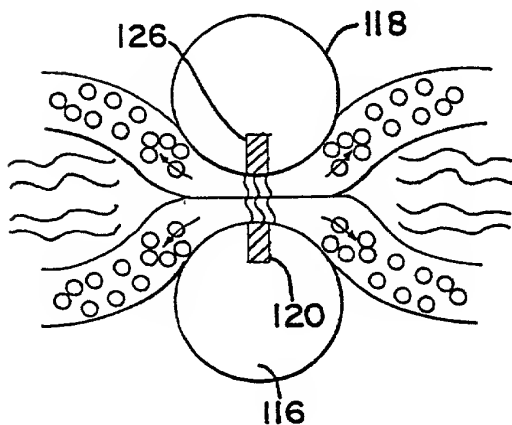


FIG.44

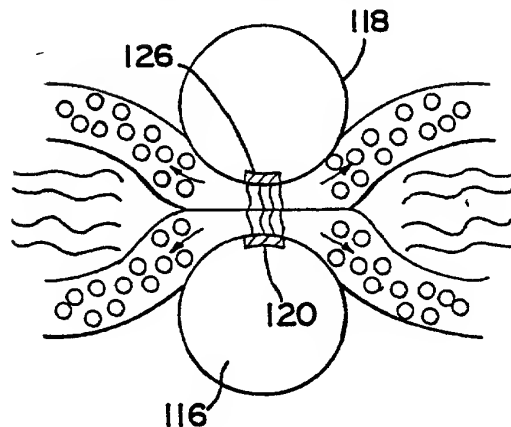


FIG.45

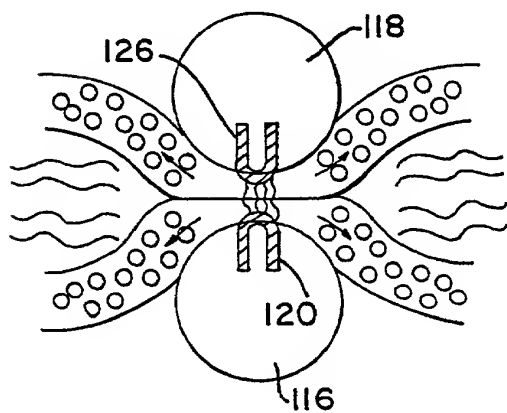


FIG.46

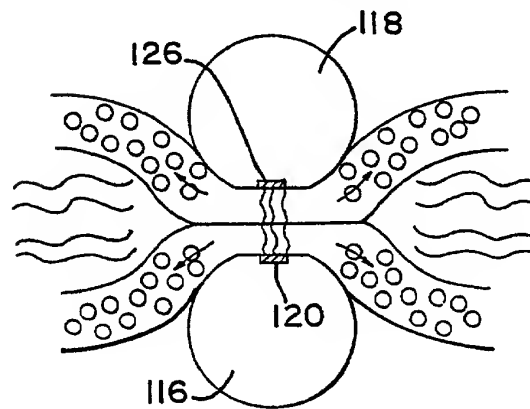


FIG.52A

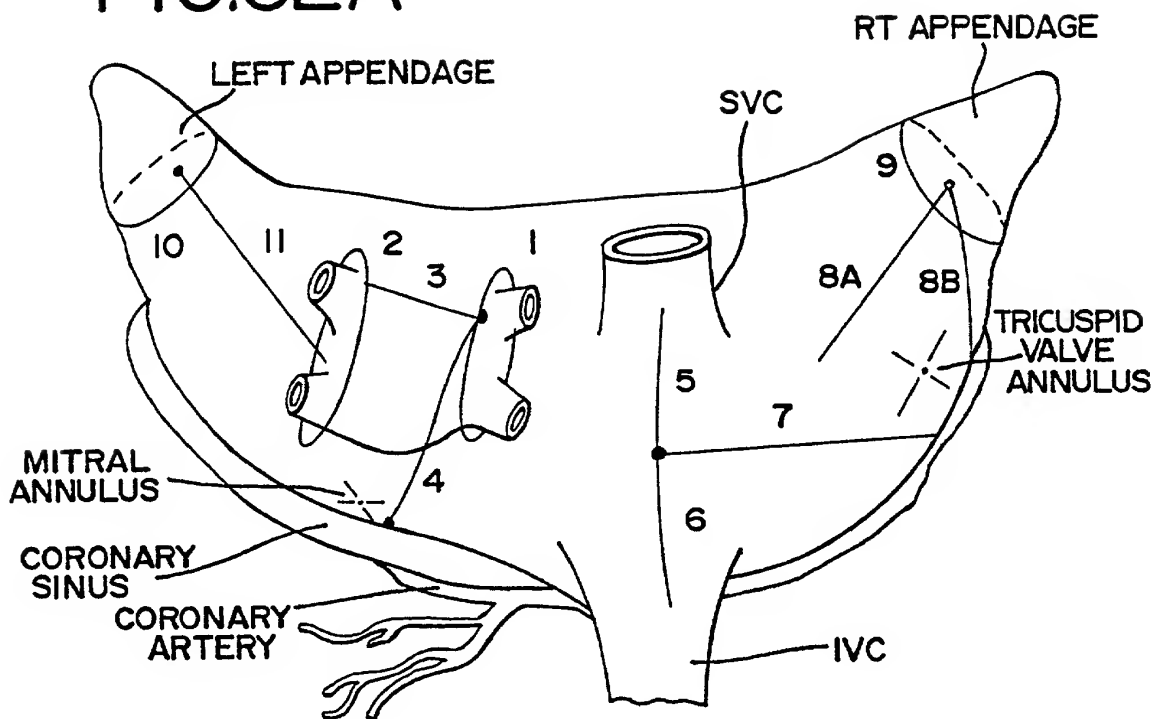


FIG.52B

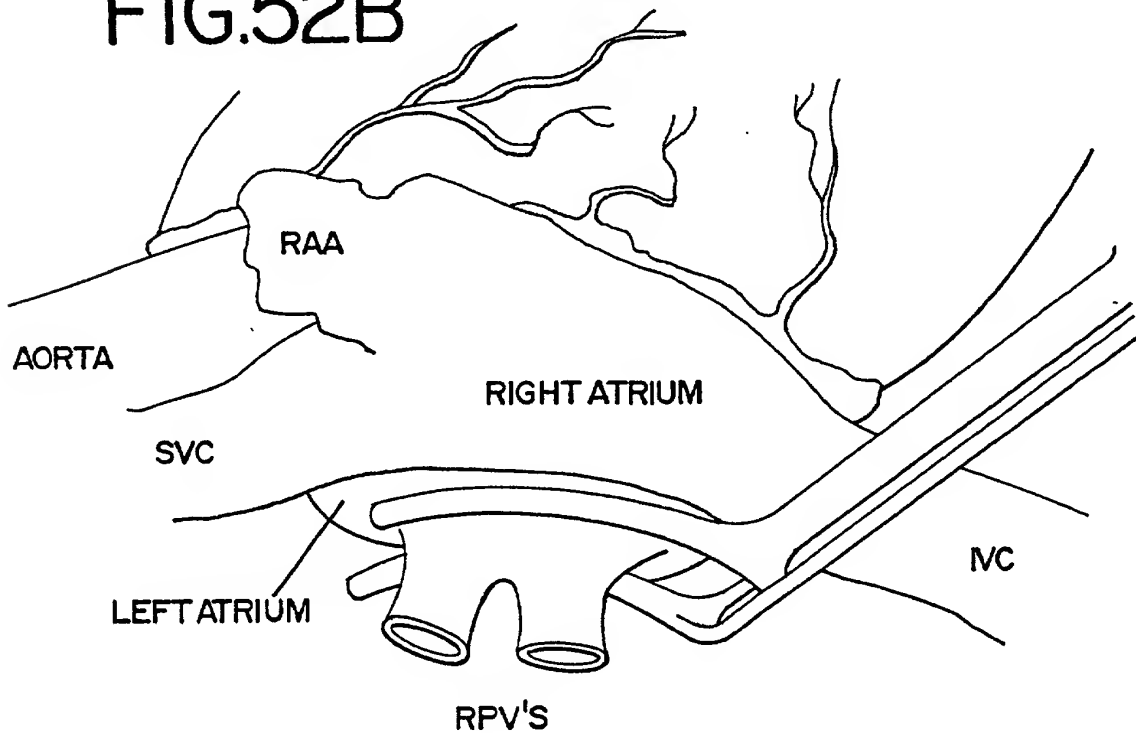


FIG.52C

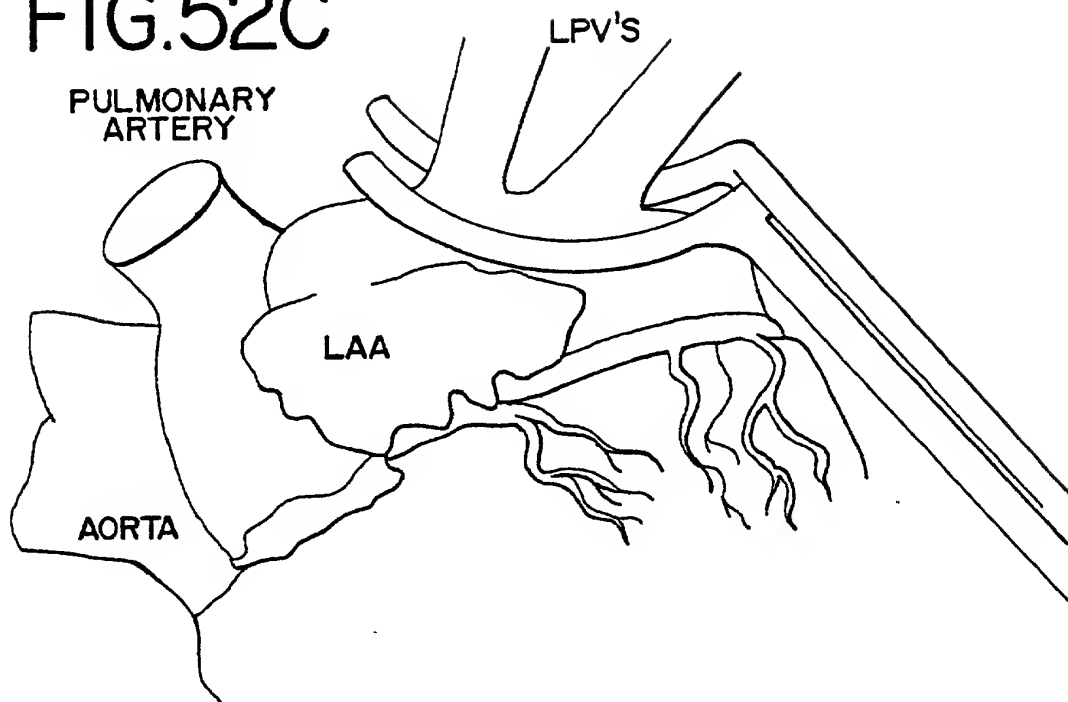


FIG.52D

HEART LIFTED

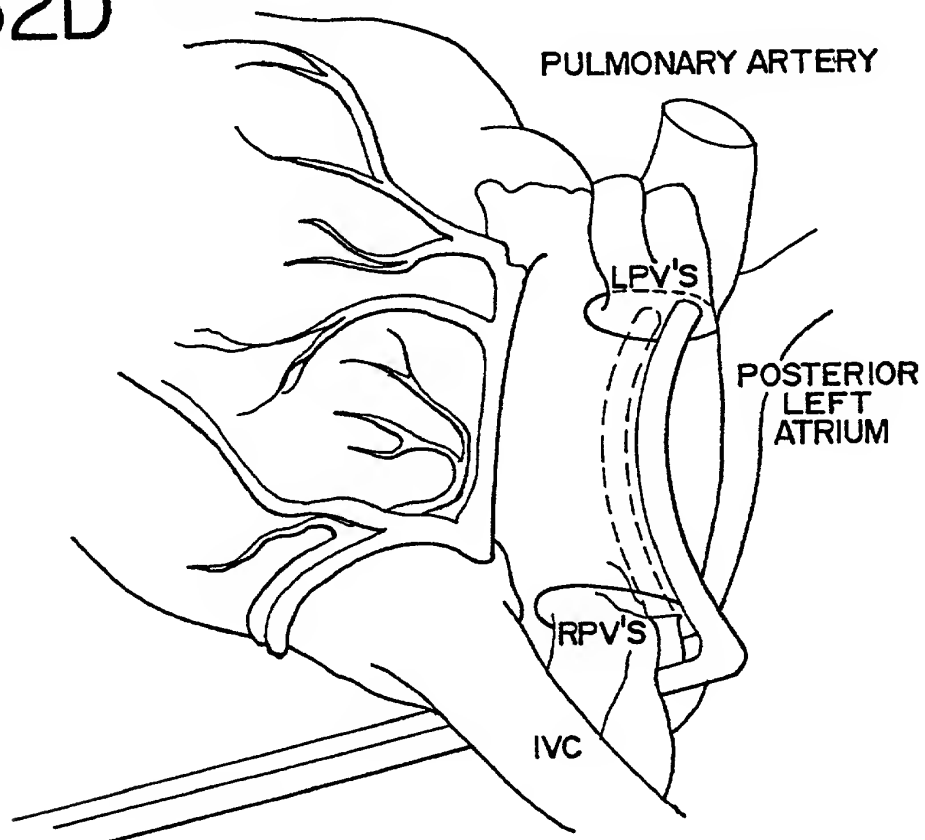


FIG.52E

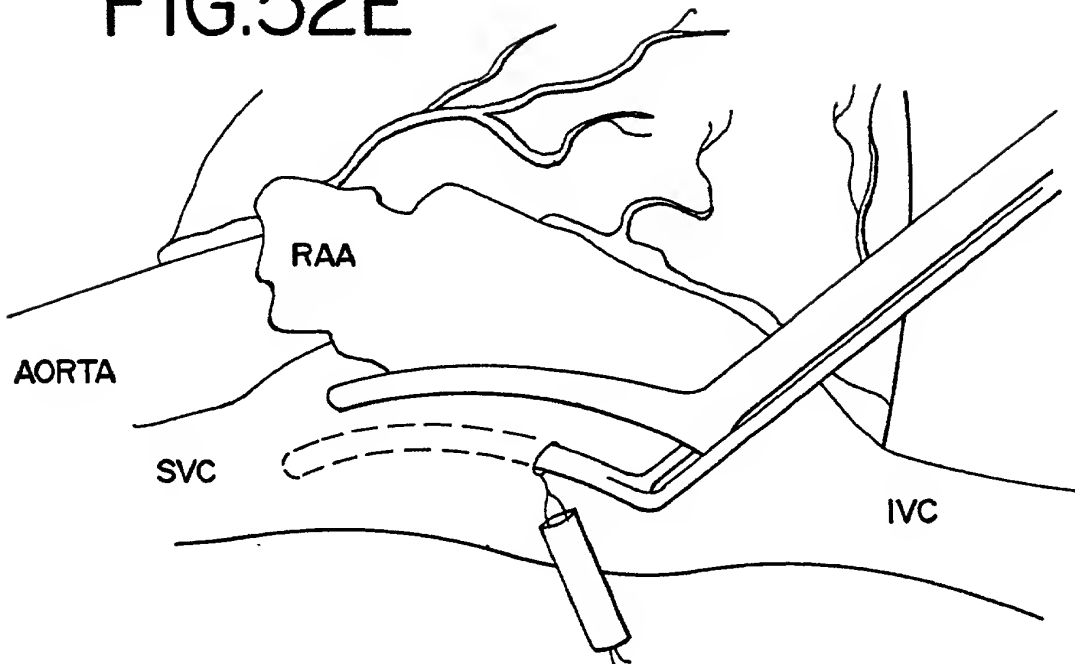


FIG.52F

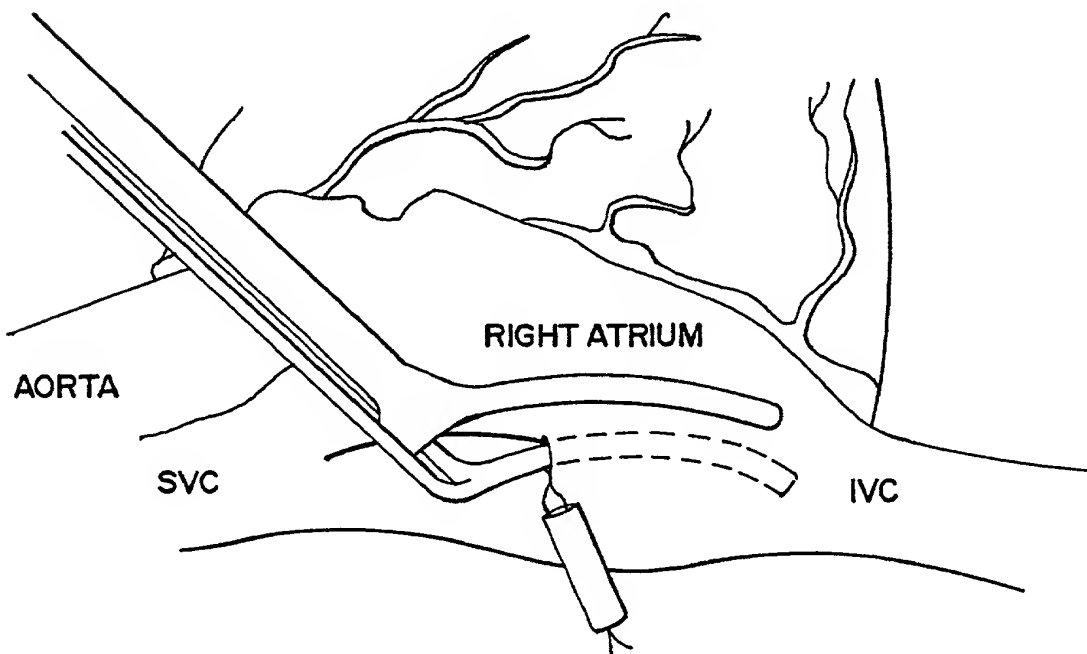


FIG.52G

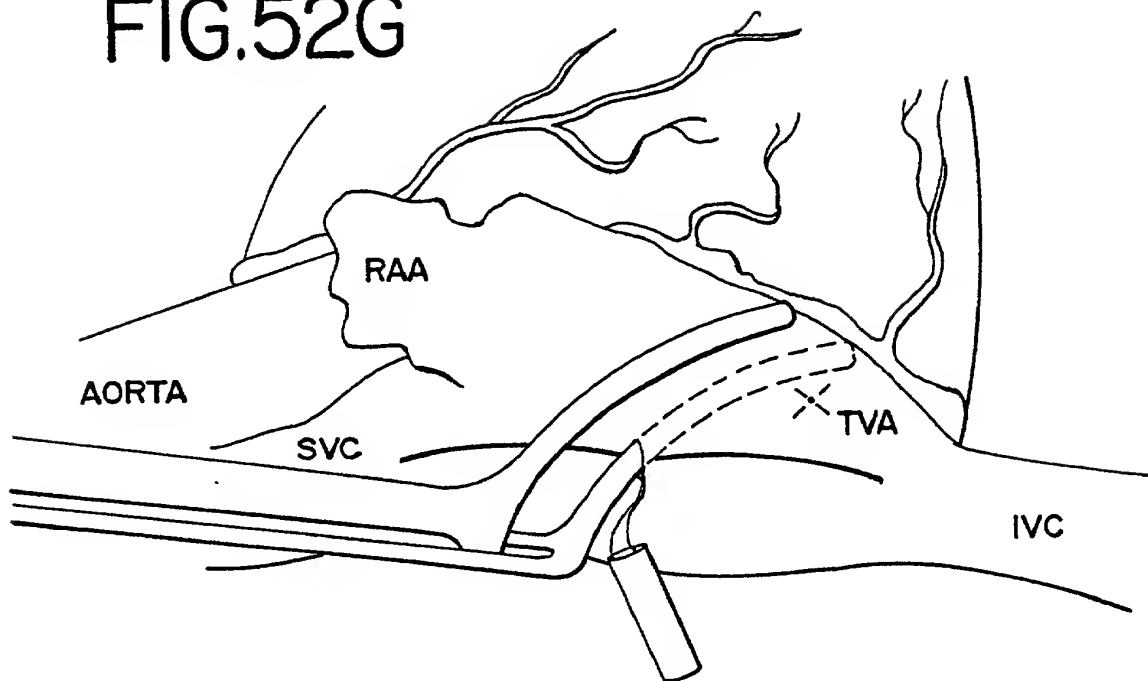


FIG.52H

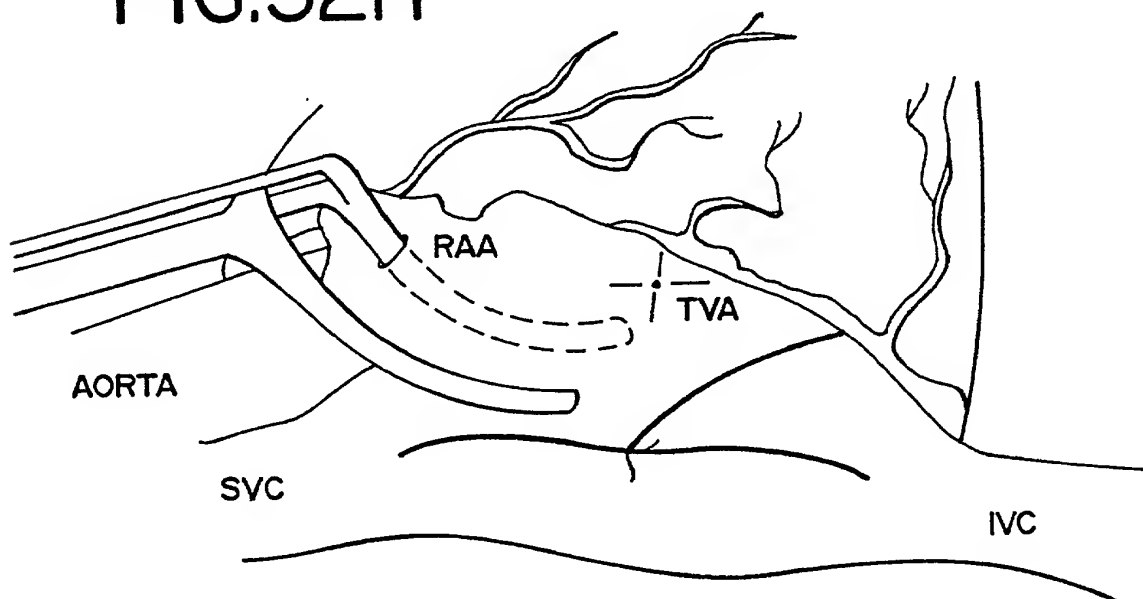


FIG.52I

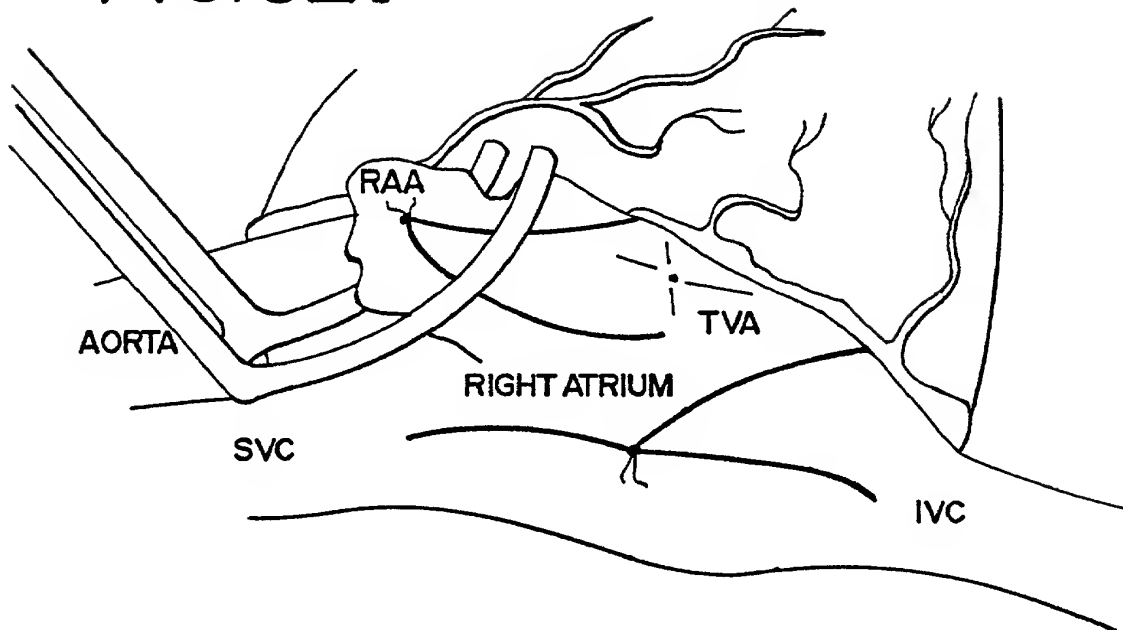
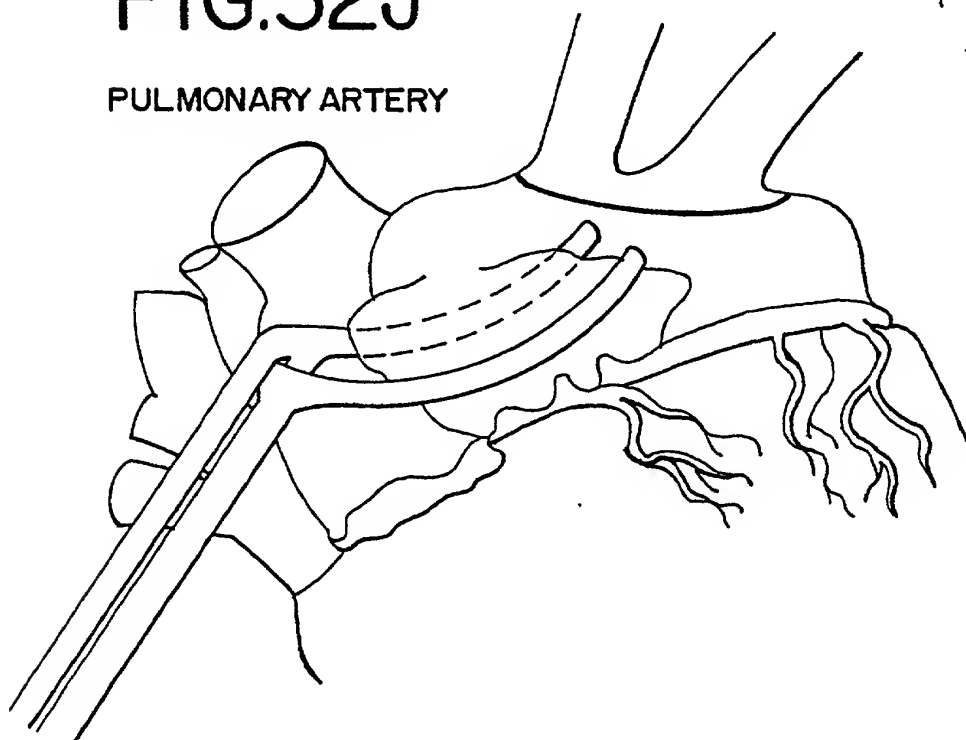
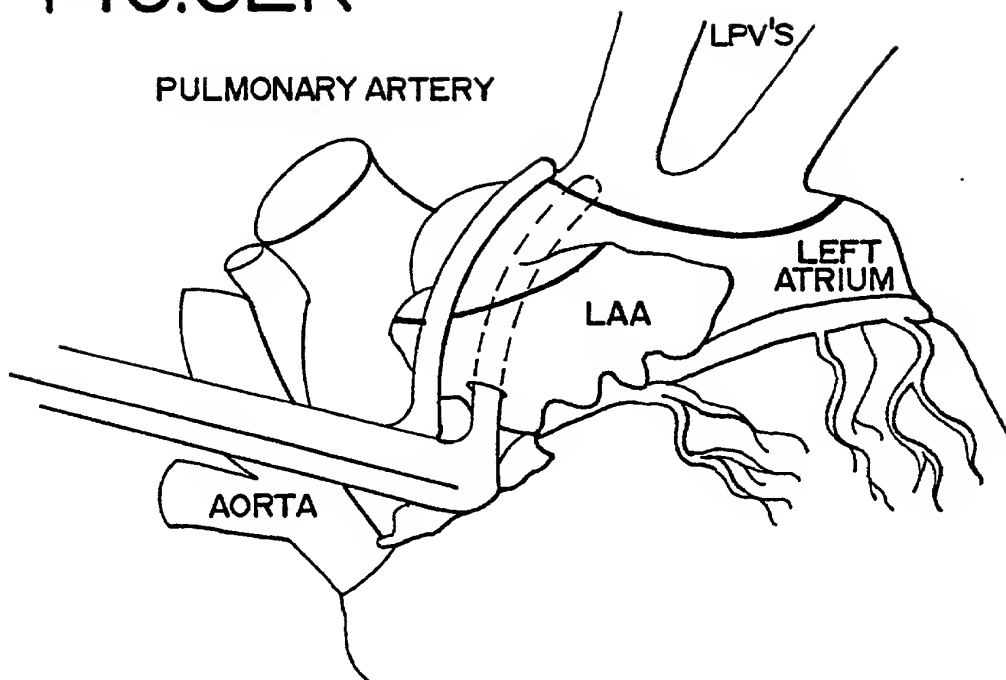


FIG.52J

PULMONARY ARTERY



[illegible]

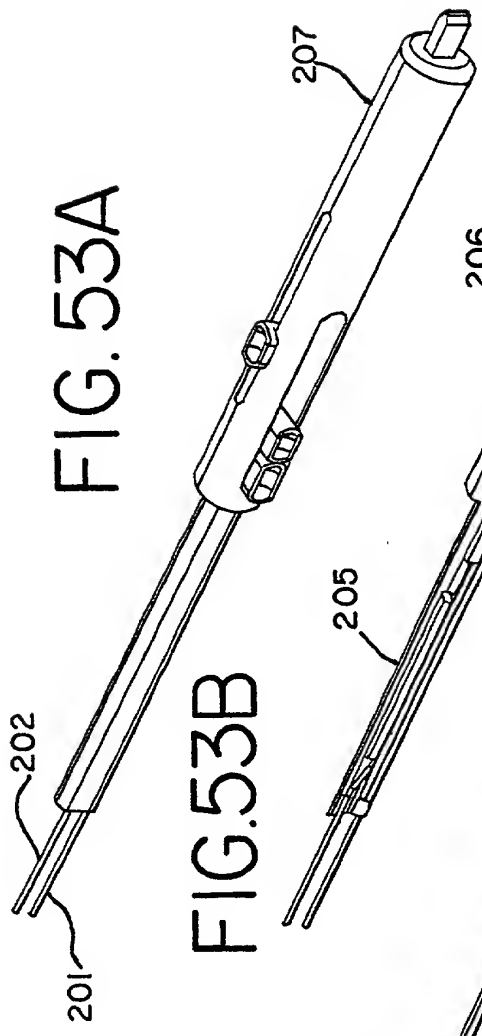


FIG. 53B

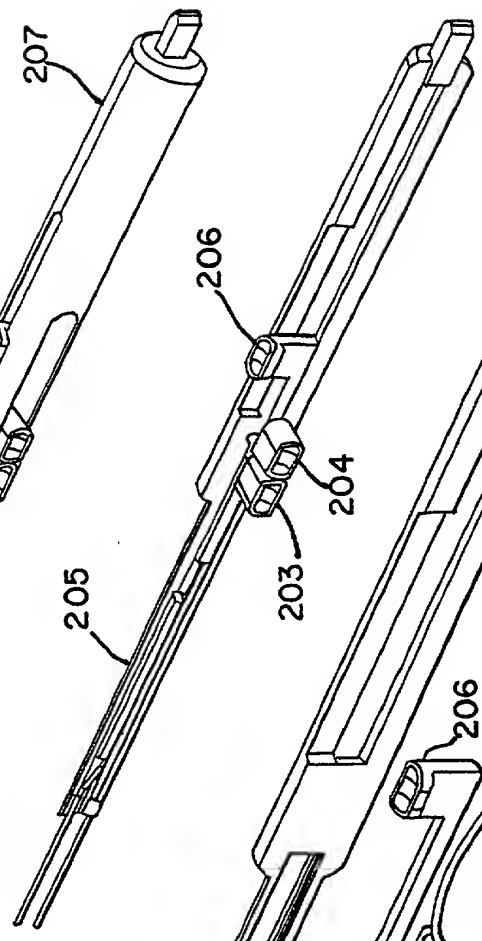


FIG. 54

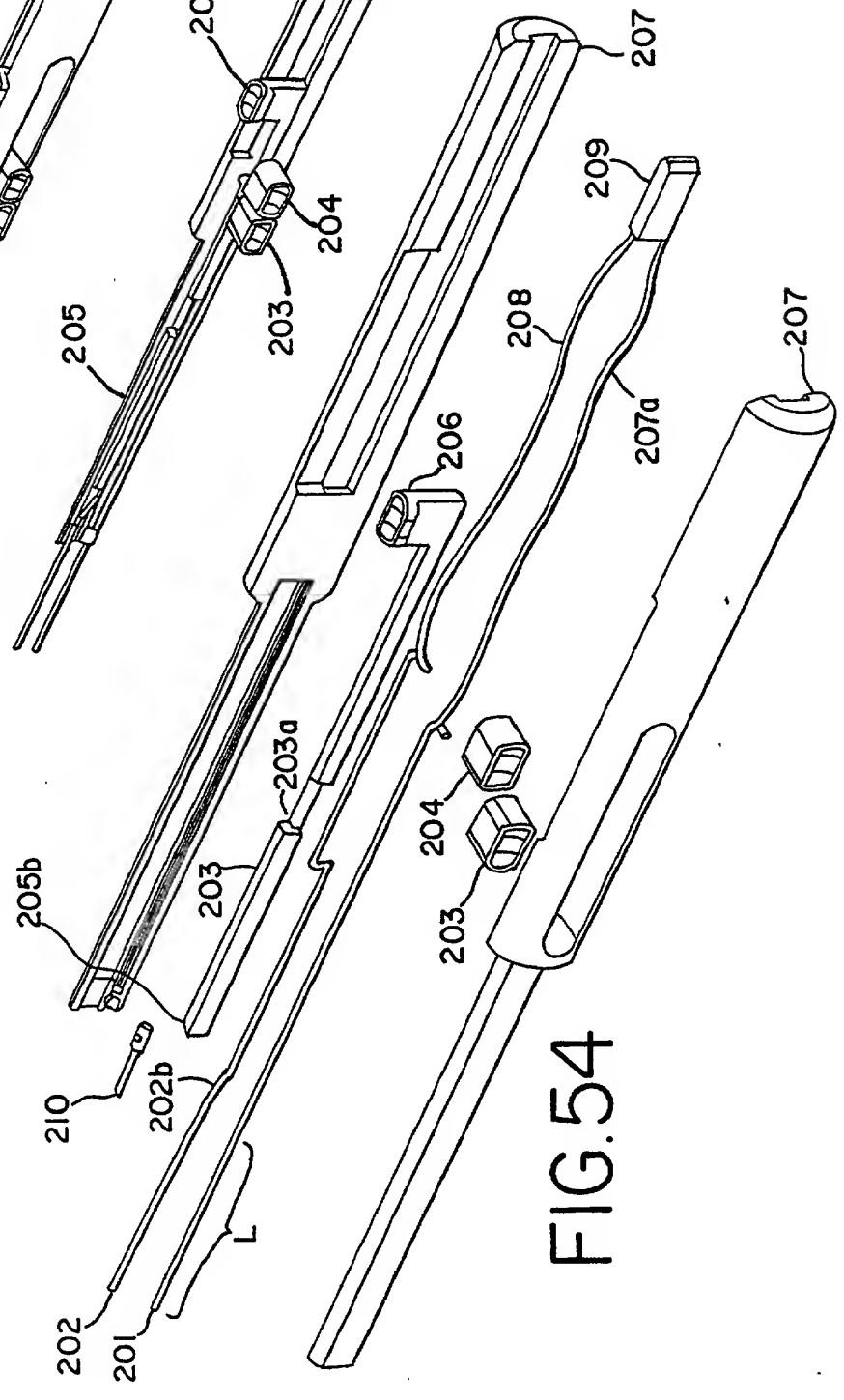


FIG. 55

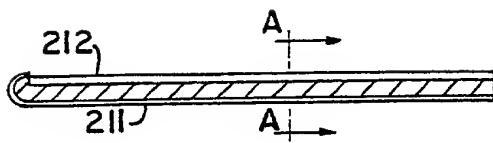


FIG. 56

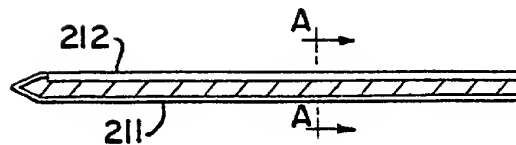


FIG. 57

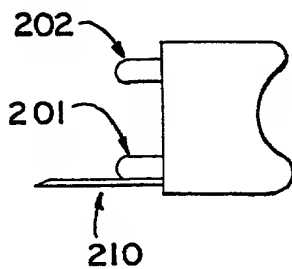


FIG. 58A

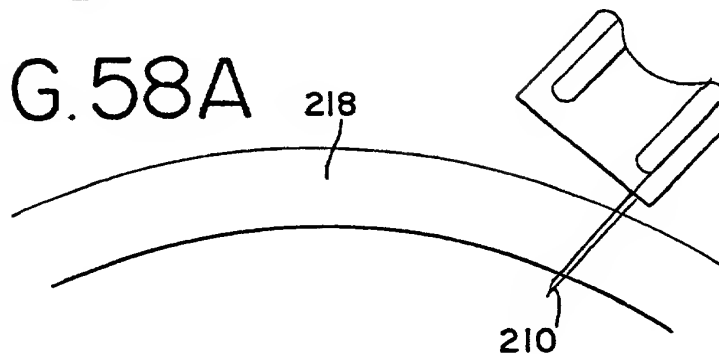


FIG. 58B

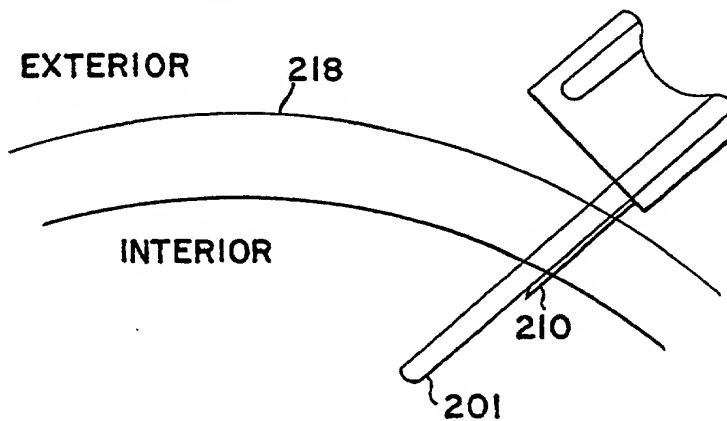


FIG. 58C

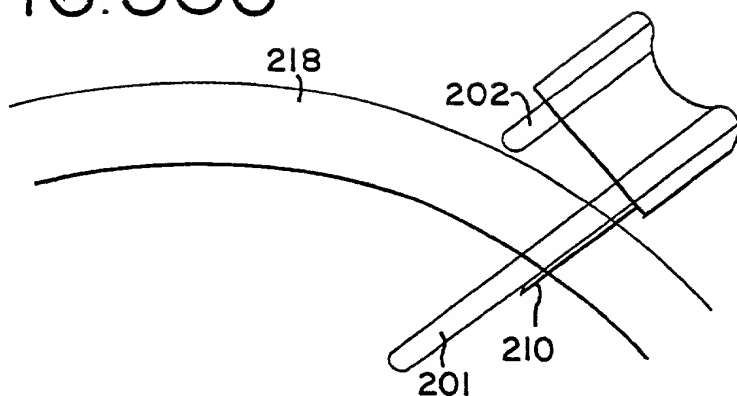


FIG. 58D

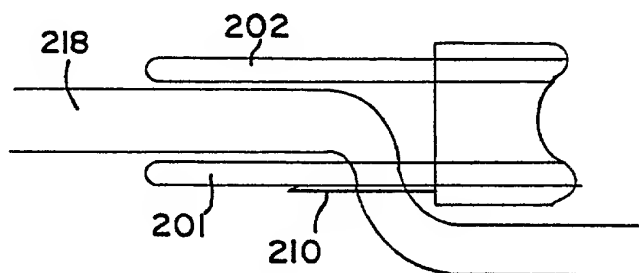


FIG. 58E

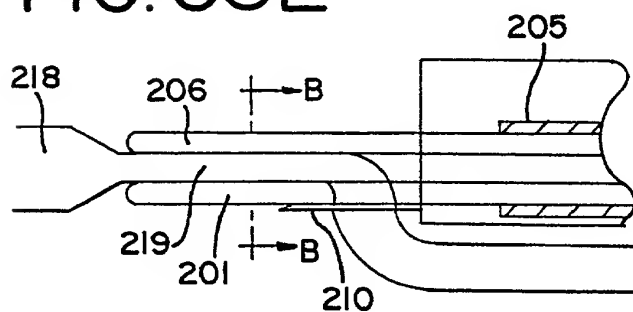


FIG. 58F

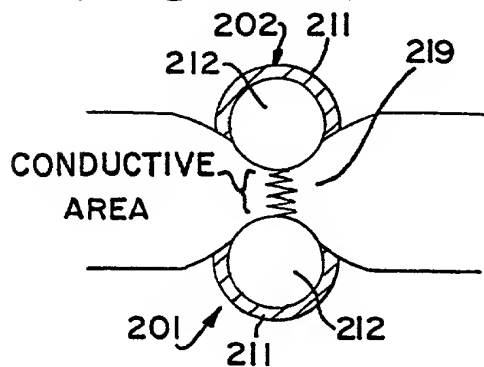


FIG. 58G

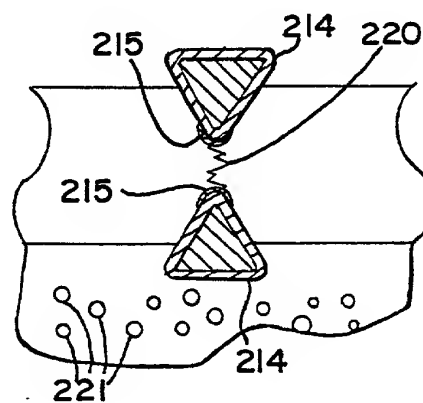


FIG. 59

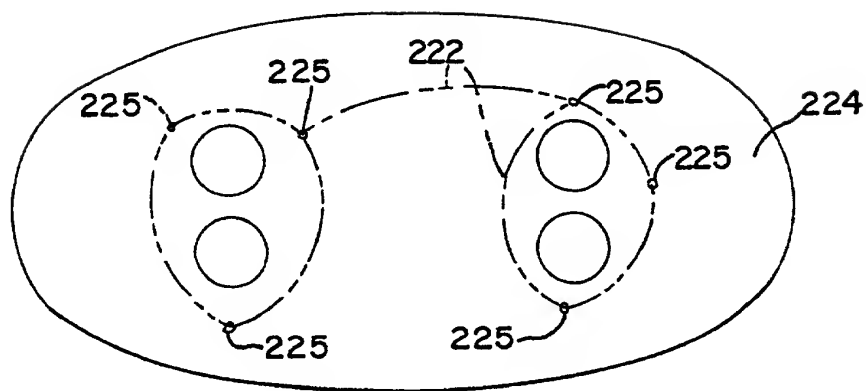


FIG. 60A

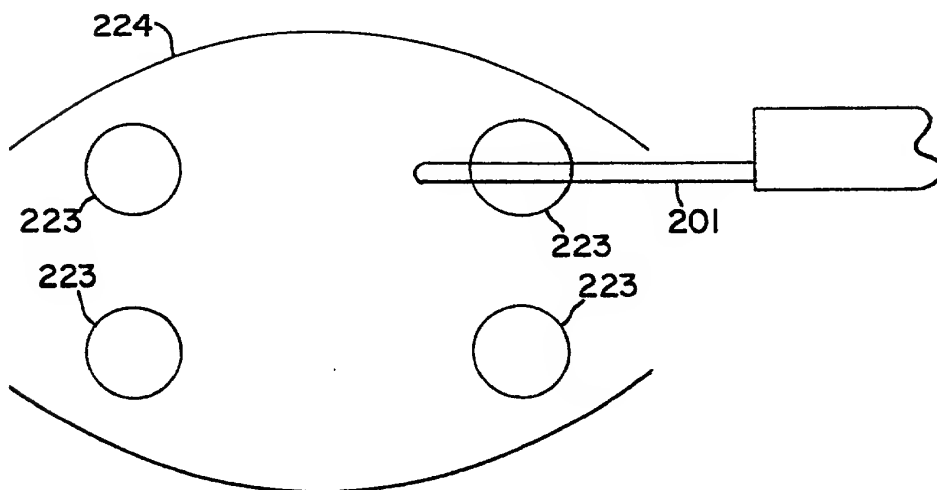


FIG. 60B

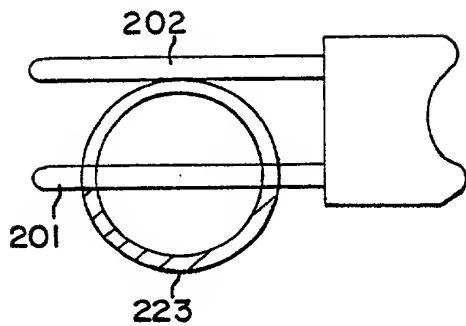


FIG. 60C

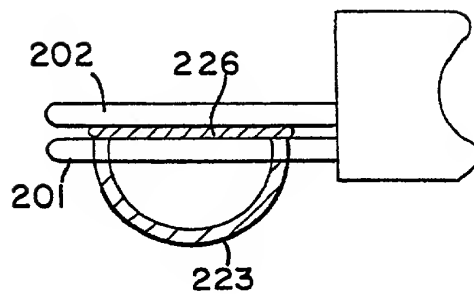


FIG. 60D

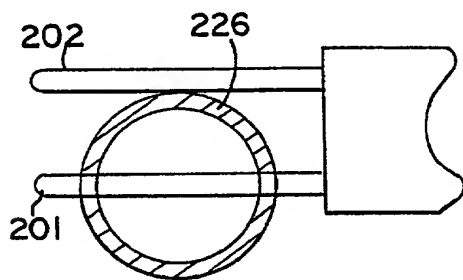


FIG. 60E

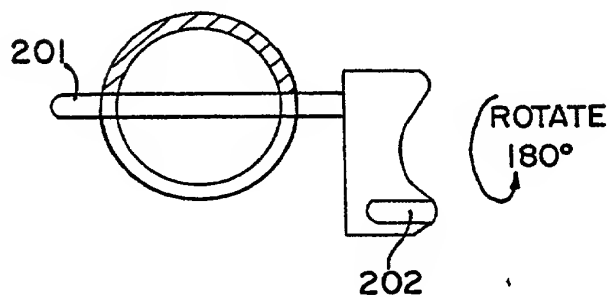


FIG. 60F

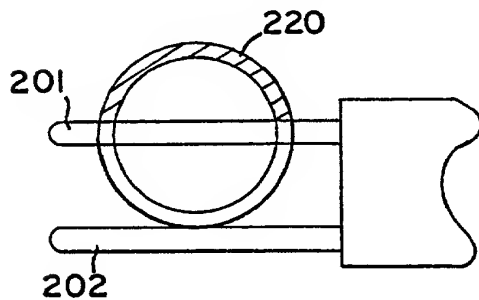


FIG. 60G

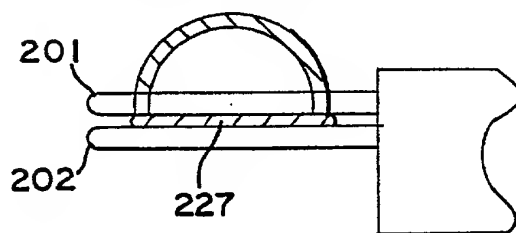


FIG. 60H

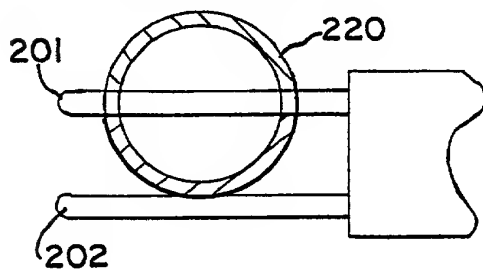
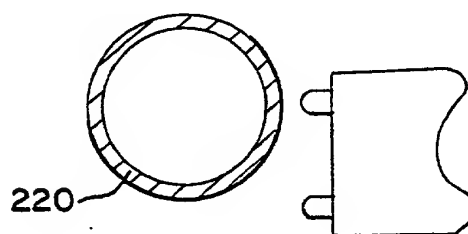


FIG. 60I



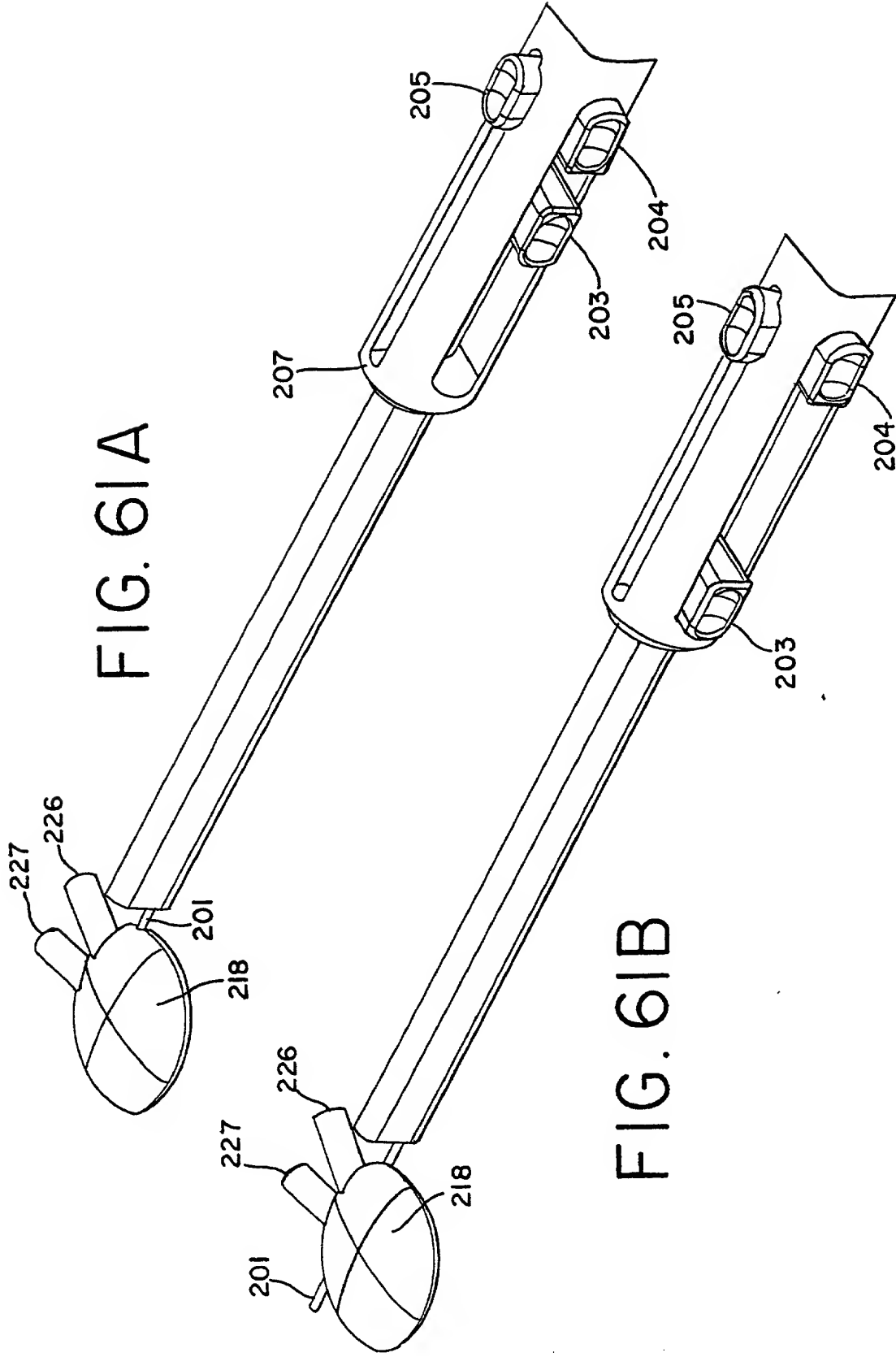
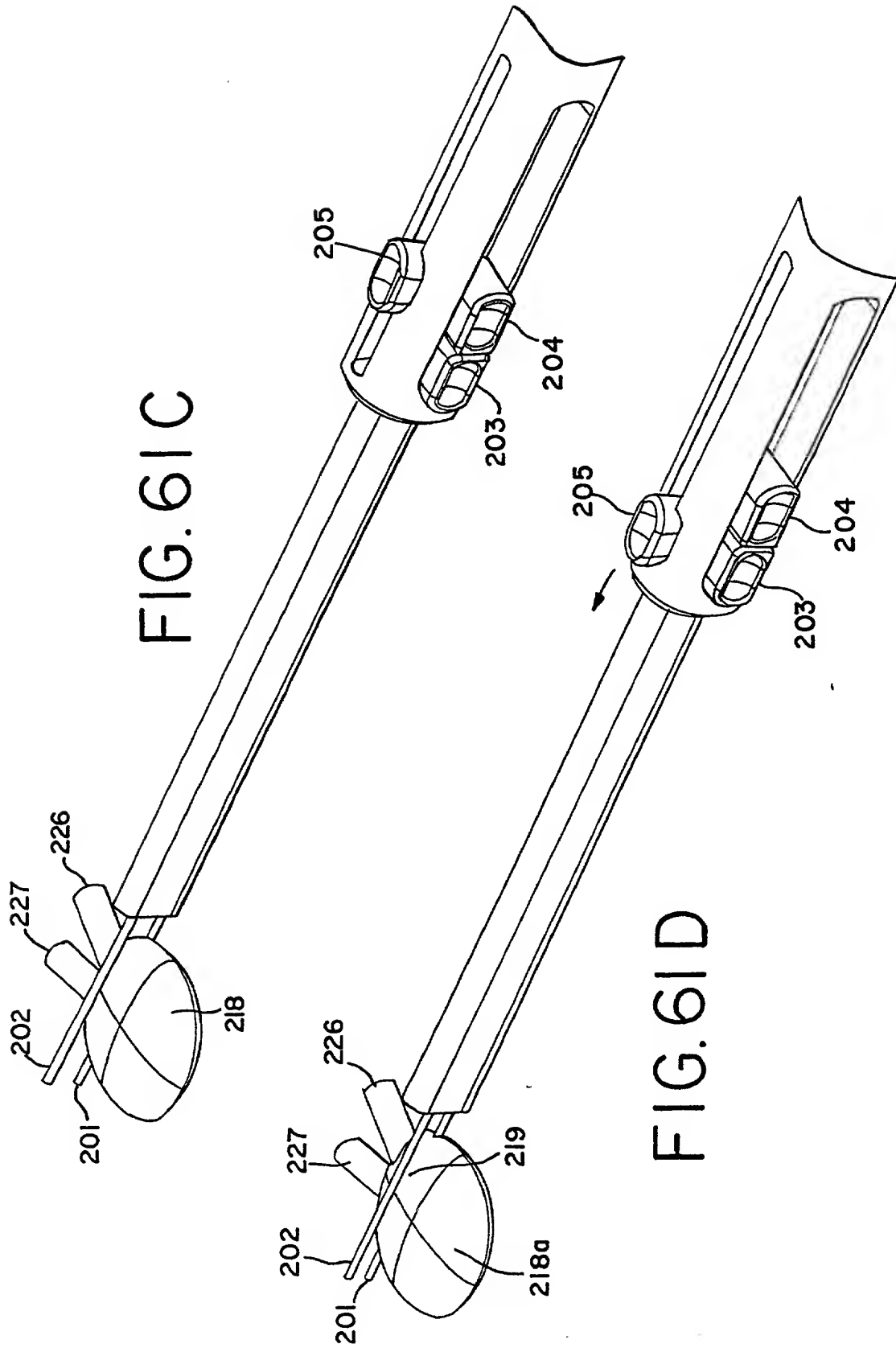


FIG. 6A

FIG. 6B



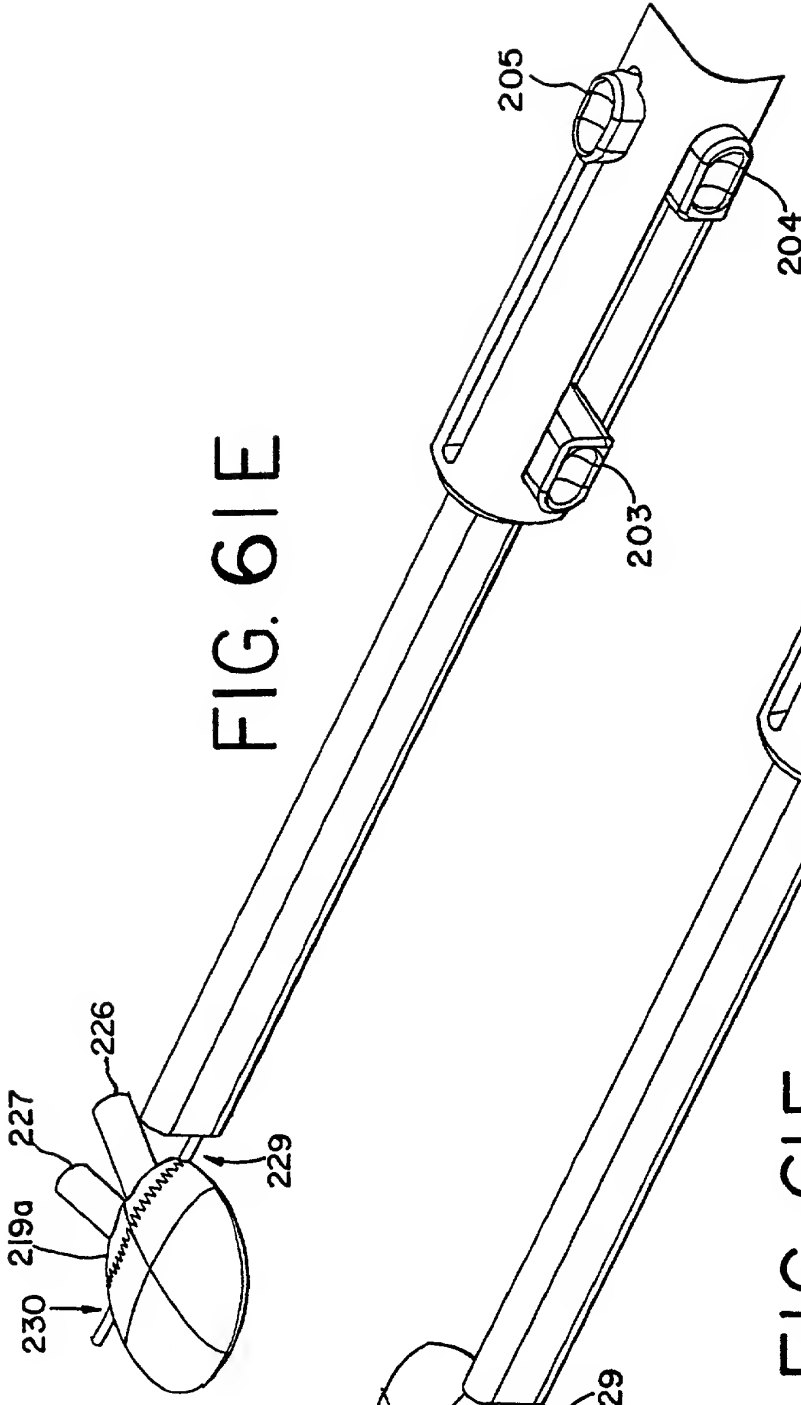
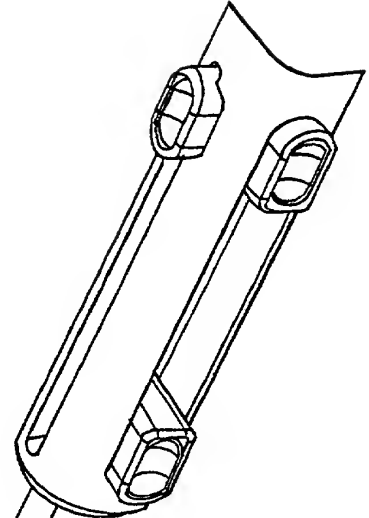


FIG. 61E

FIG. 61F



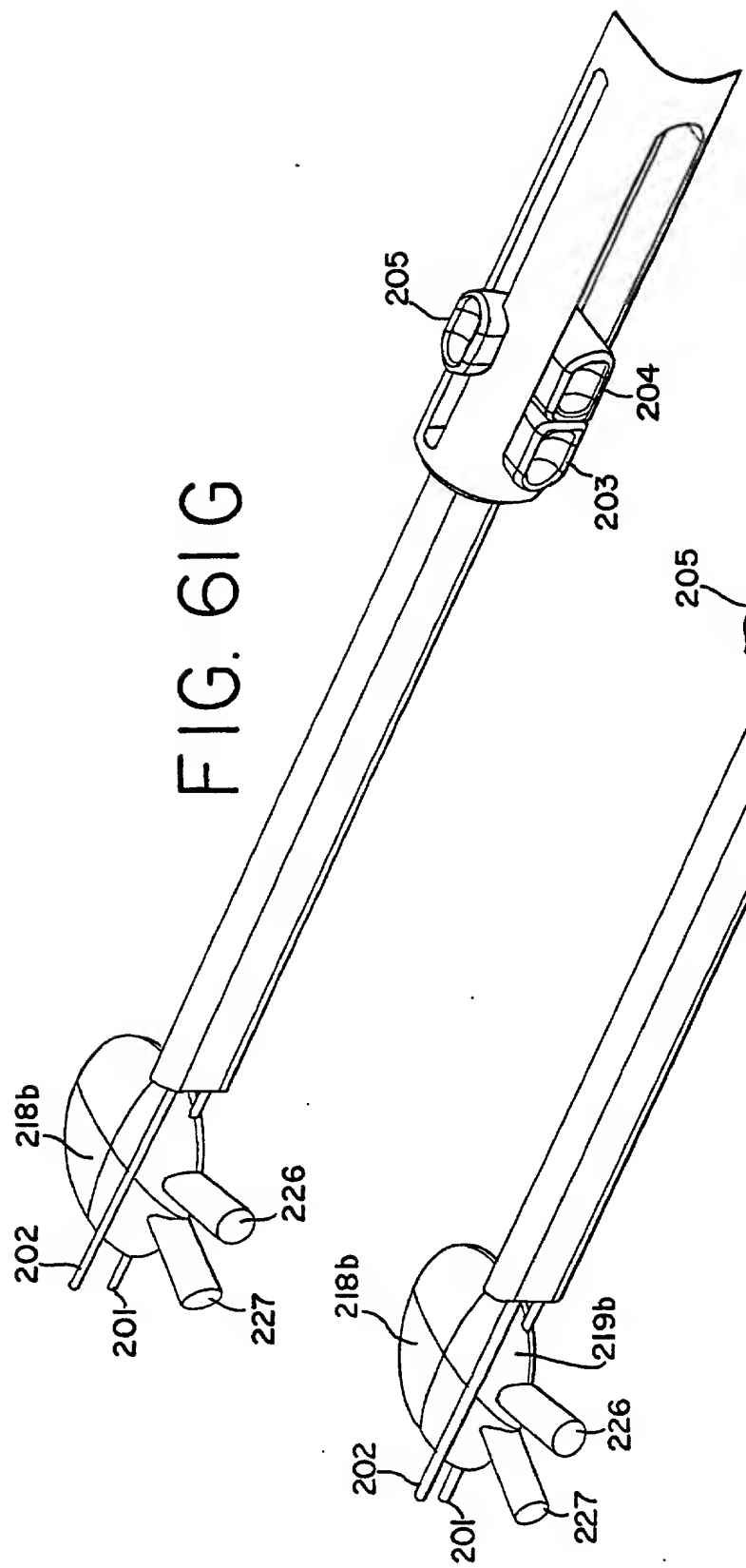


FIG. 61G

FIG. 61H

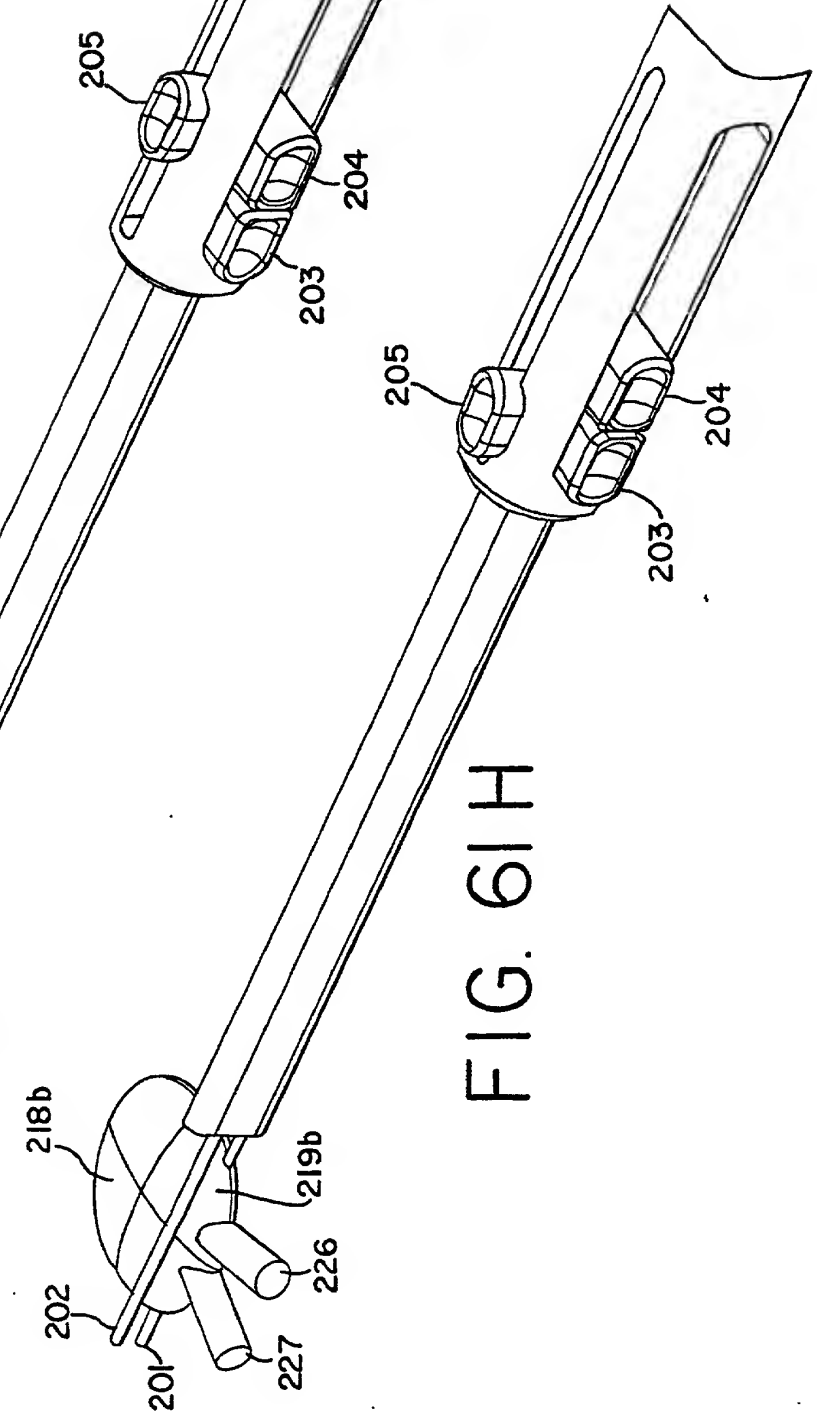


FIG. 61H

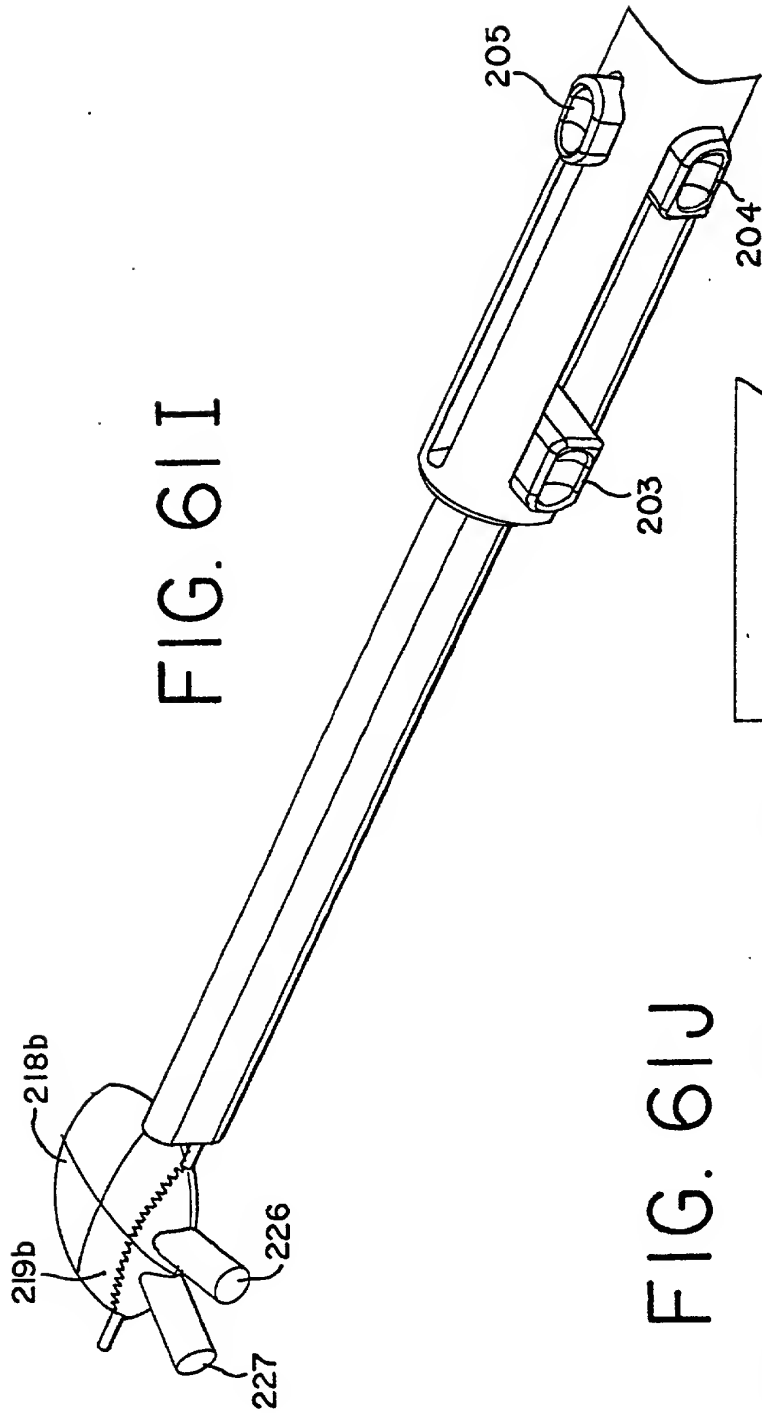


FIG. 6IJ

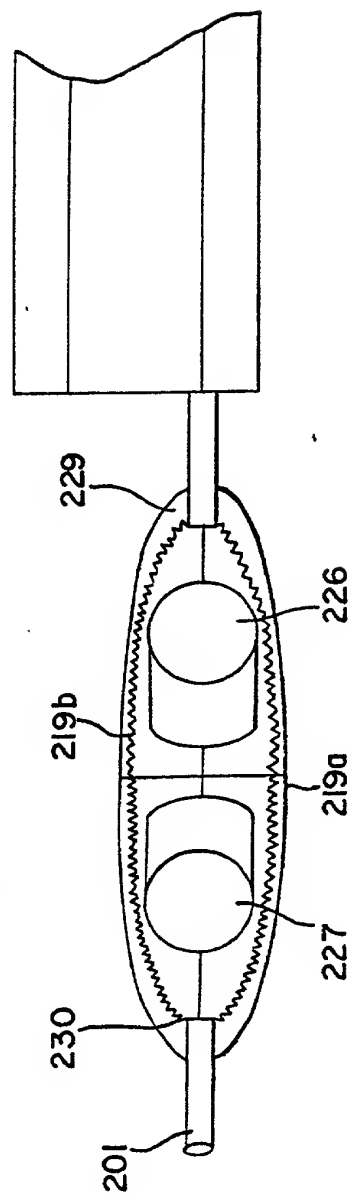


FIG.62A

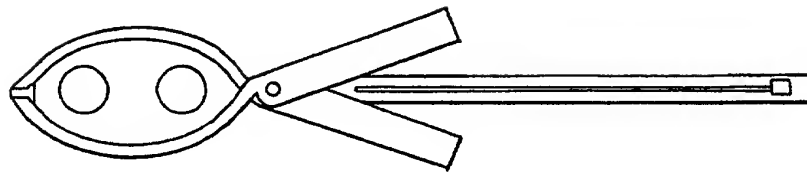


FIG.62B

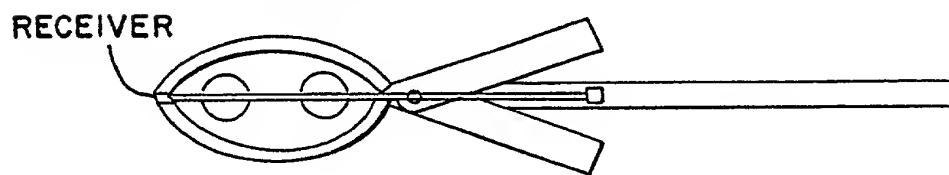


FIG.62C

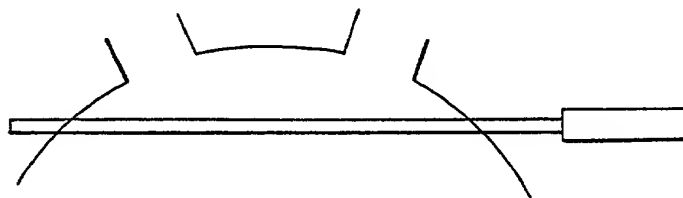


FIG. 62D

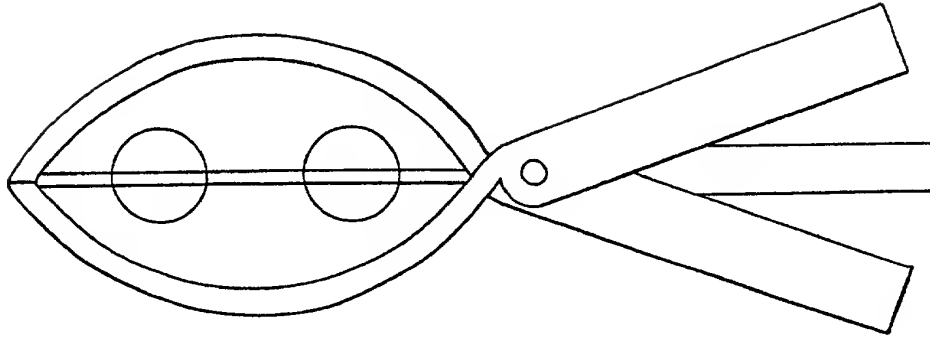


FIG. 62E

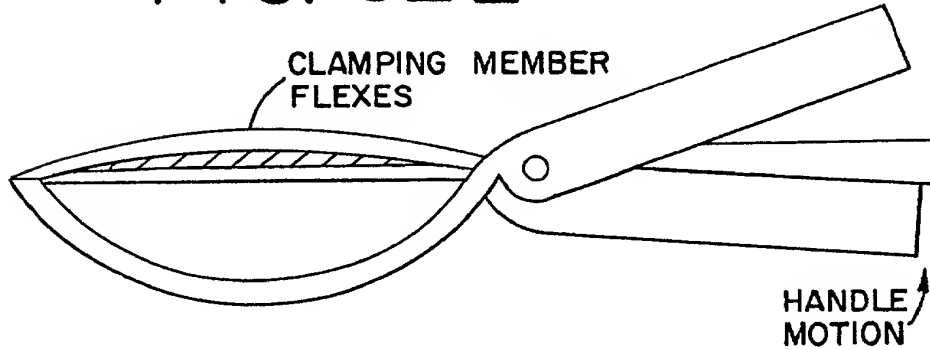


FIG. 62F

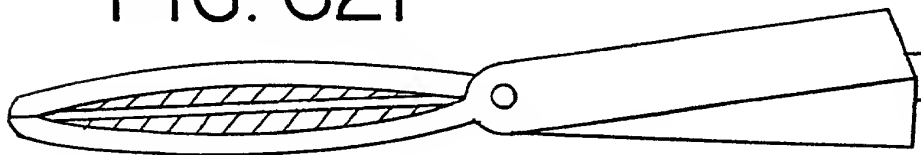


FIG. 62G

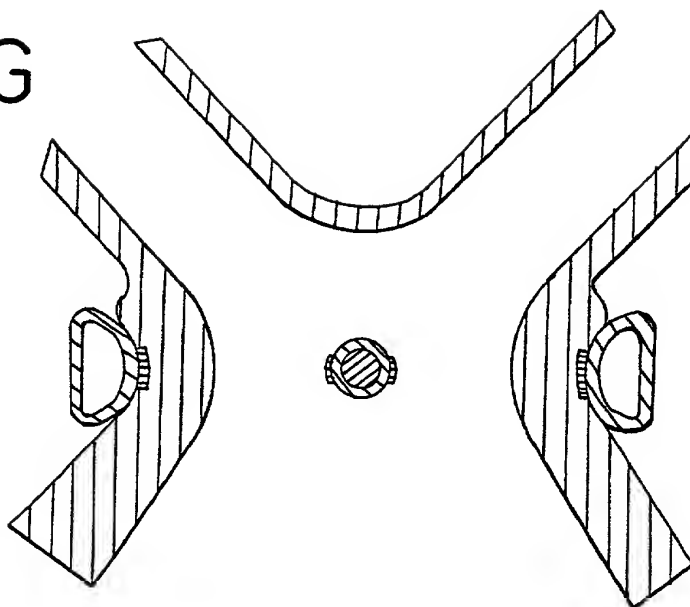


FIG. 62H

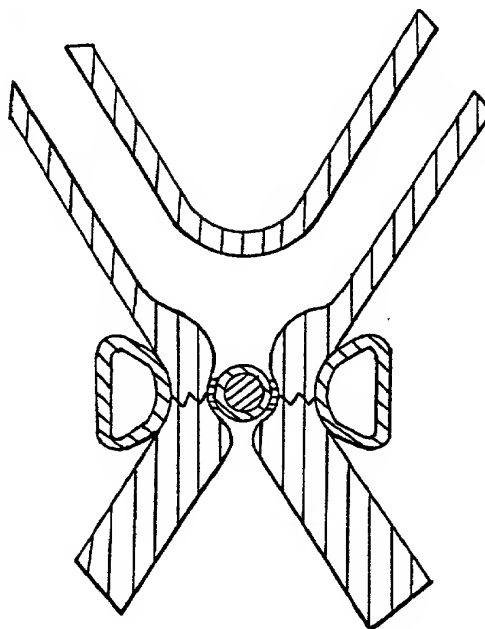
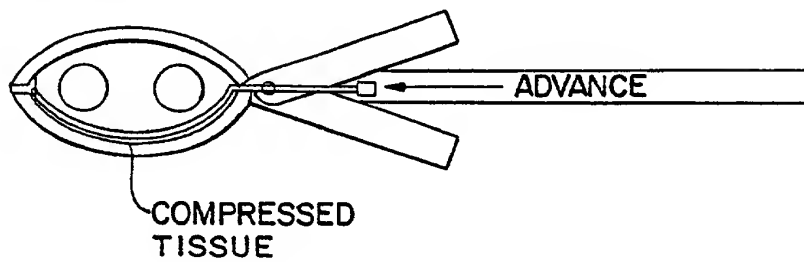


FIG. 62I



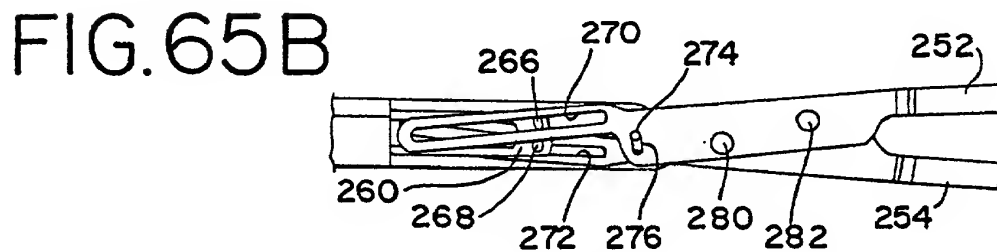
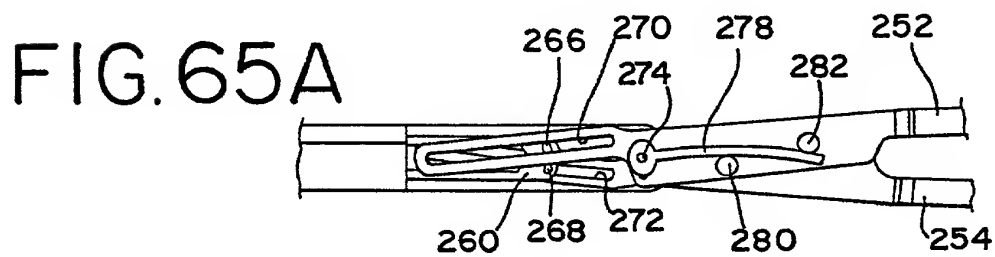
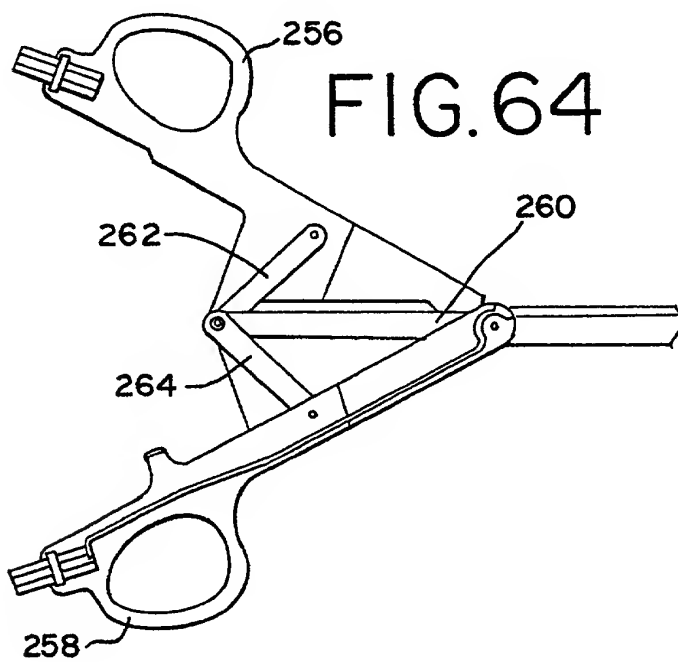
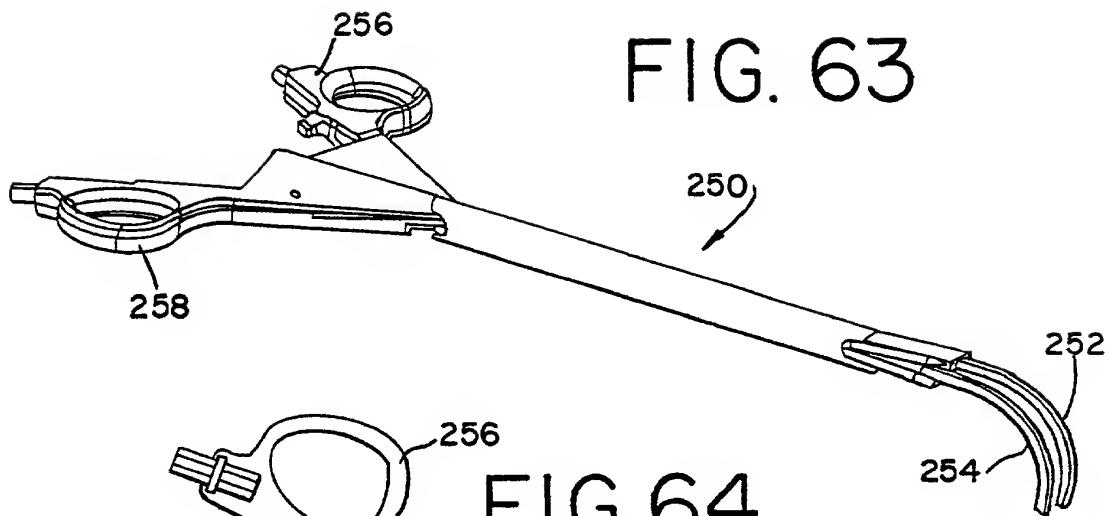


FIG. 63

FIG. 66

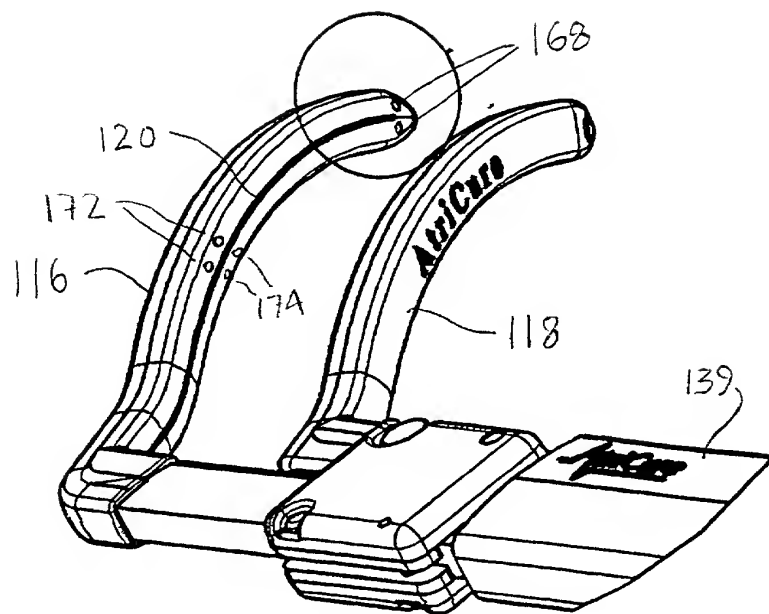


FIG. 67

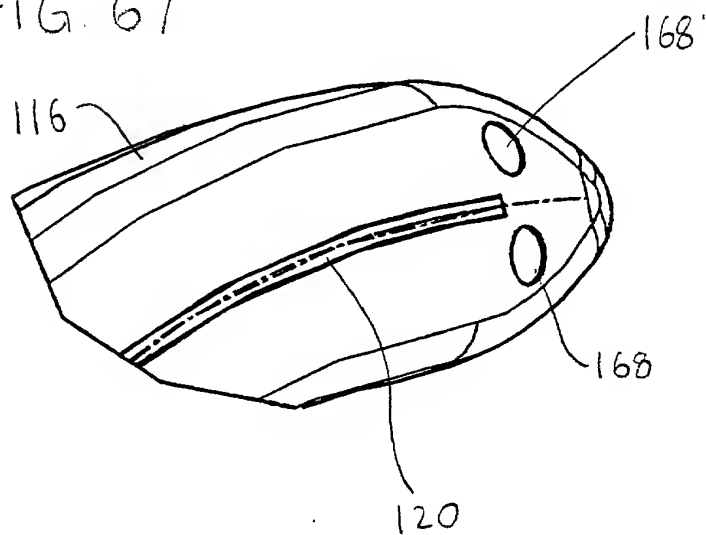


FIG. 68 is a schematic diagram of a human torso showing the rib cage and heart. The diagram is labeled with various anatomical features and reference numerals.

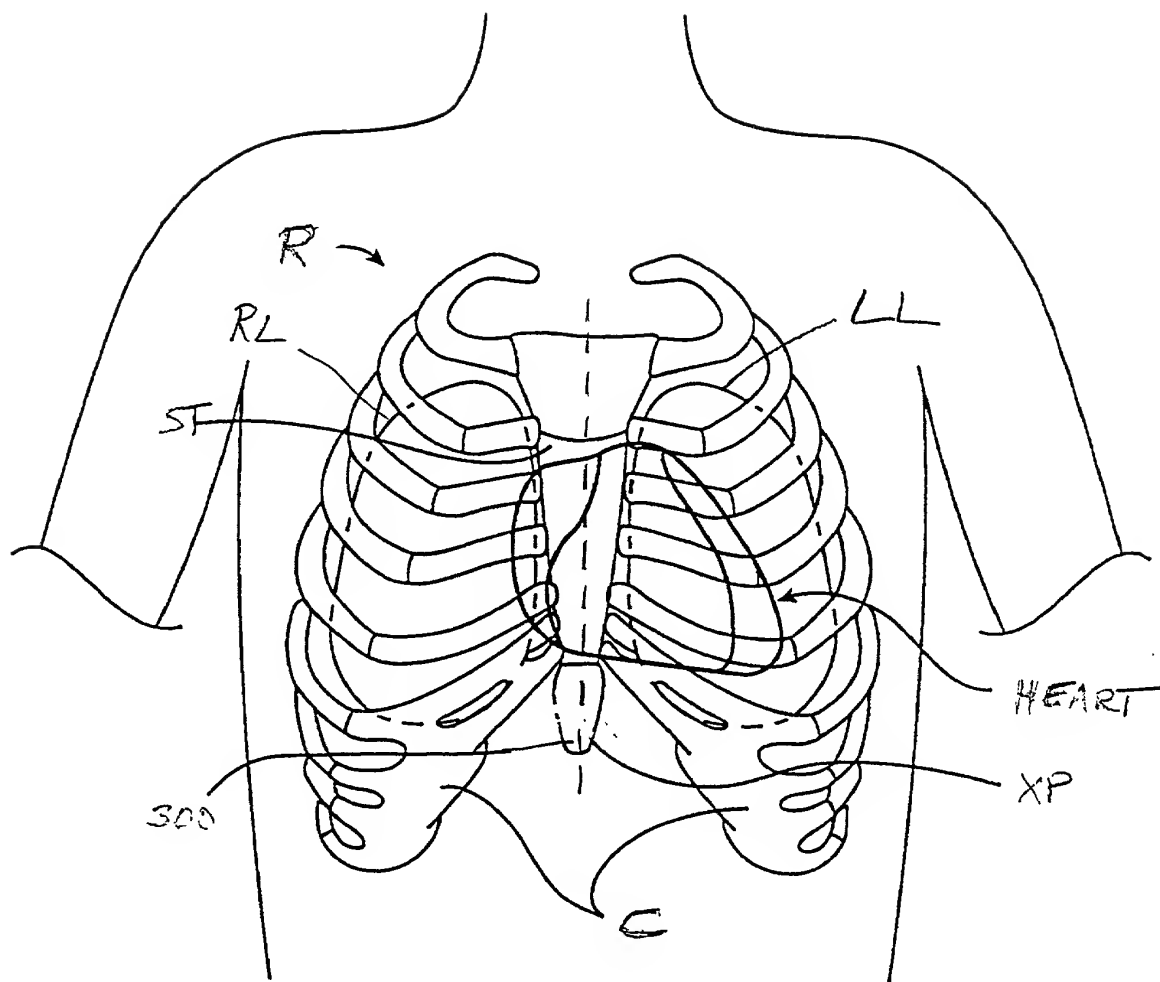


FIG. 68

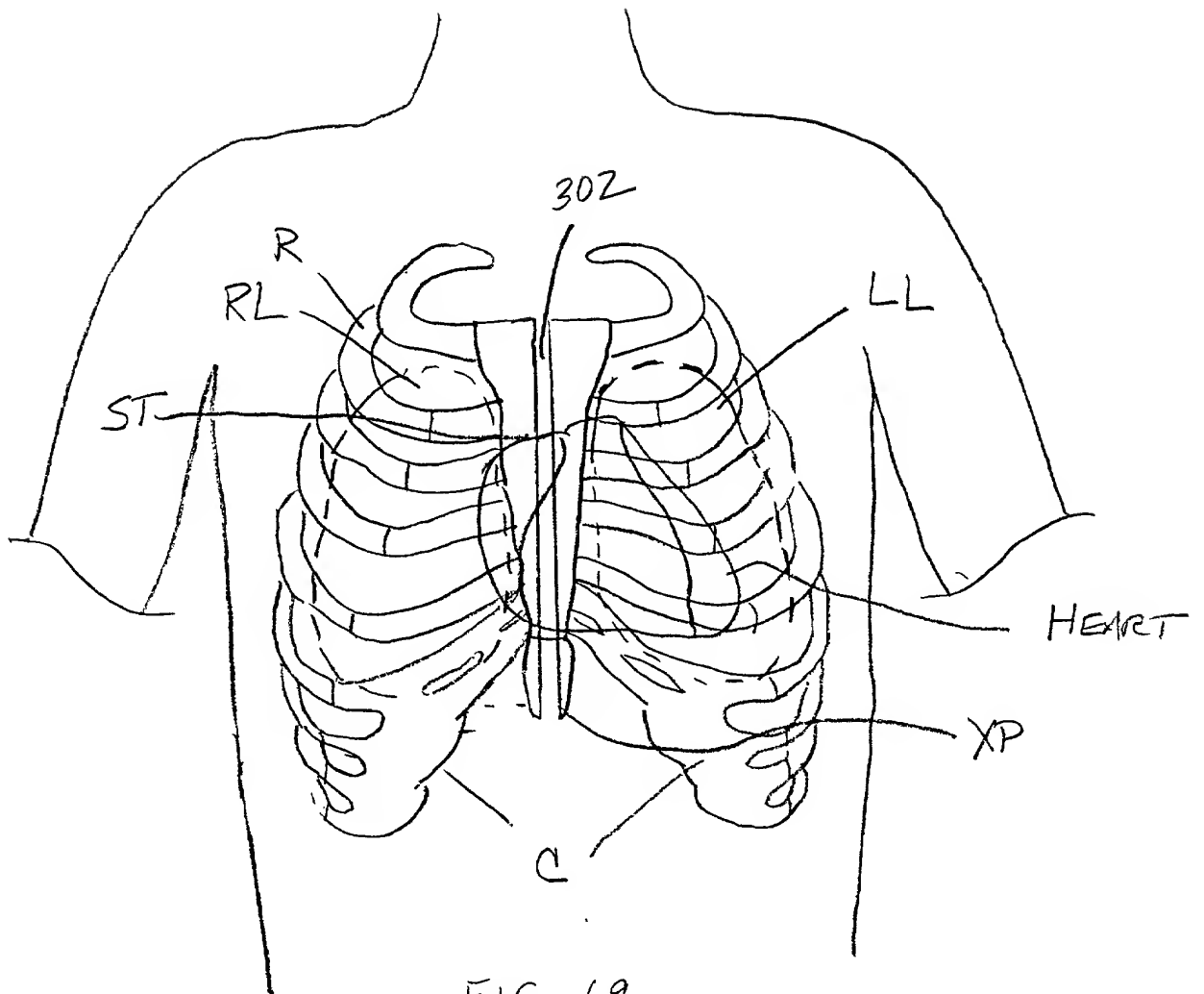
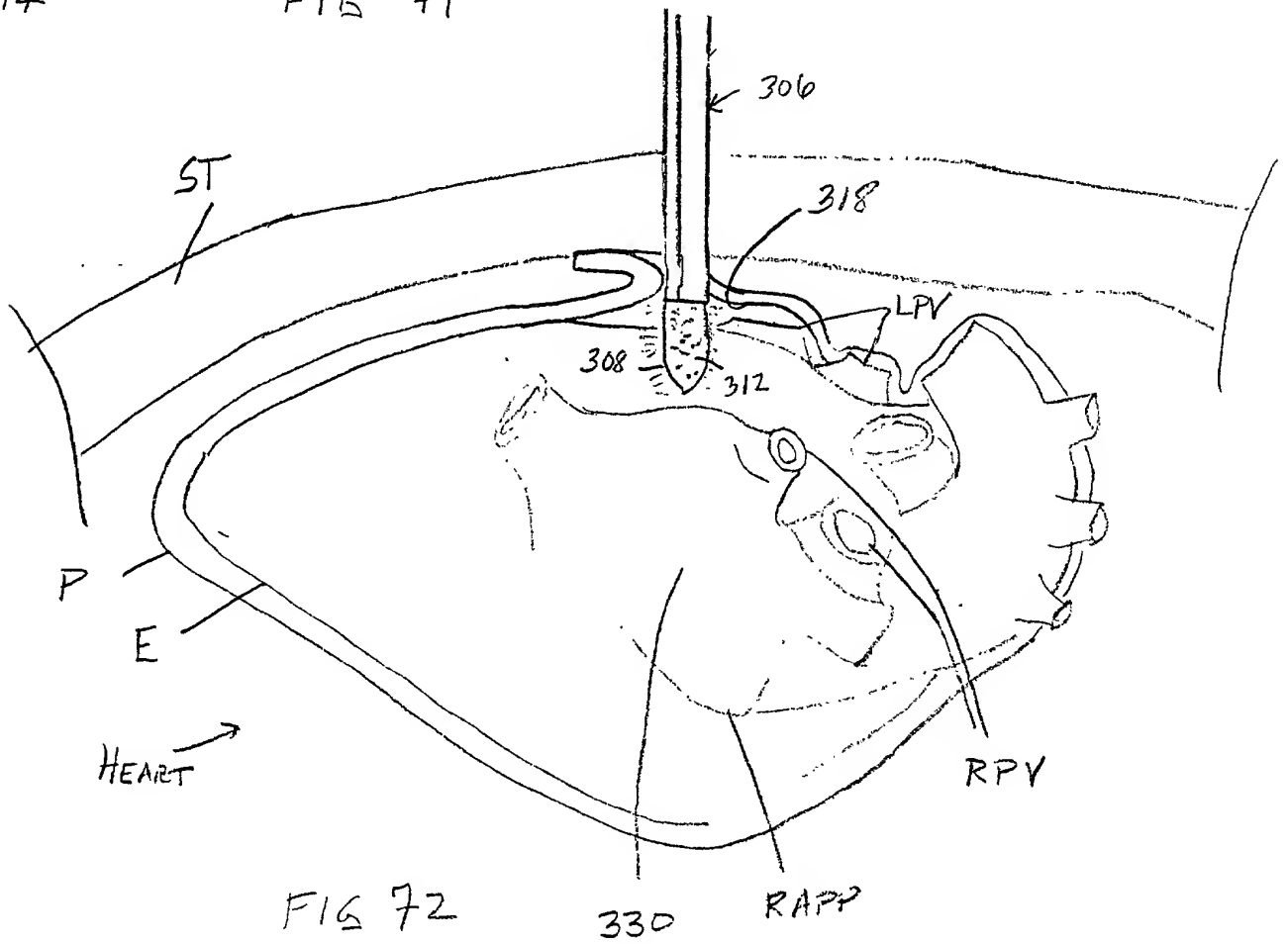
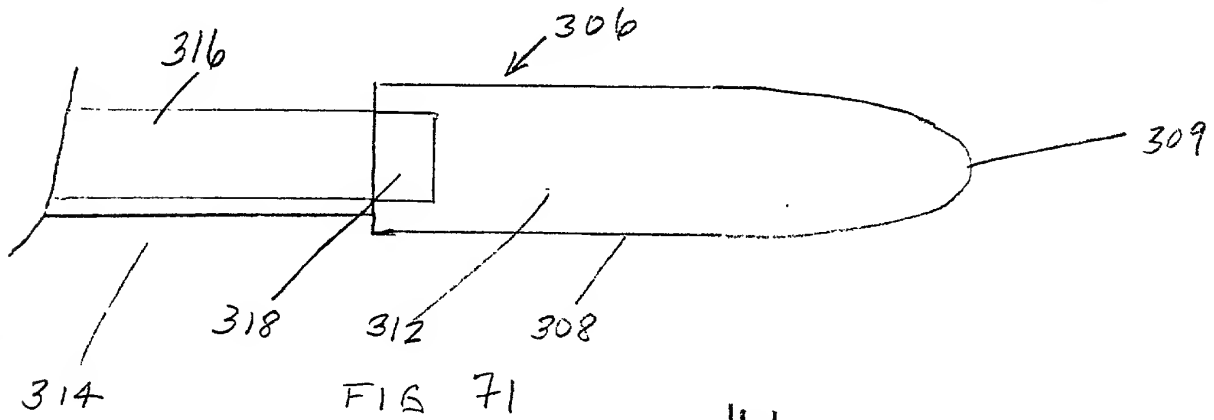
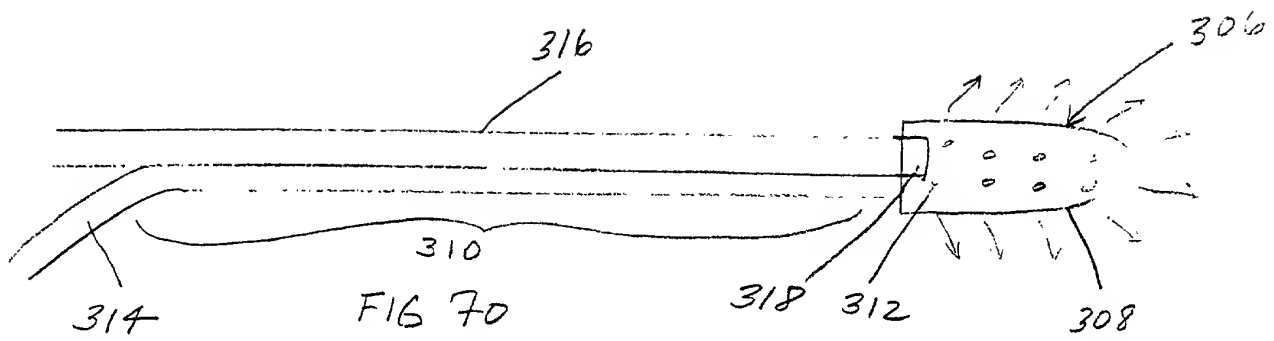


FIG. 69



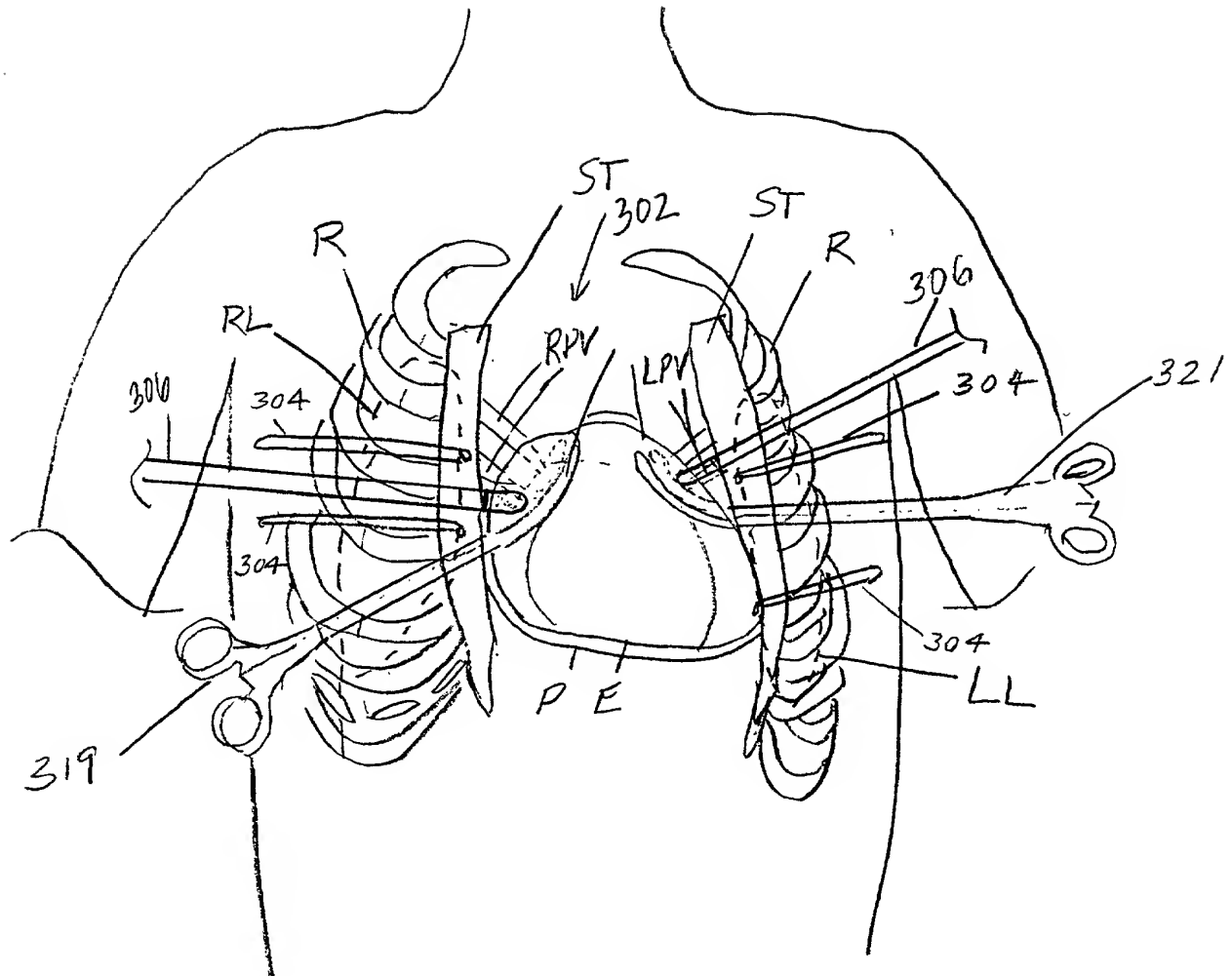


FIG. 73

FIG 74

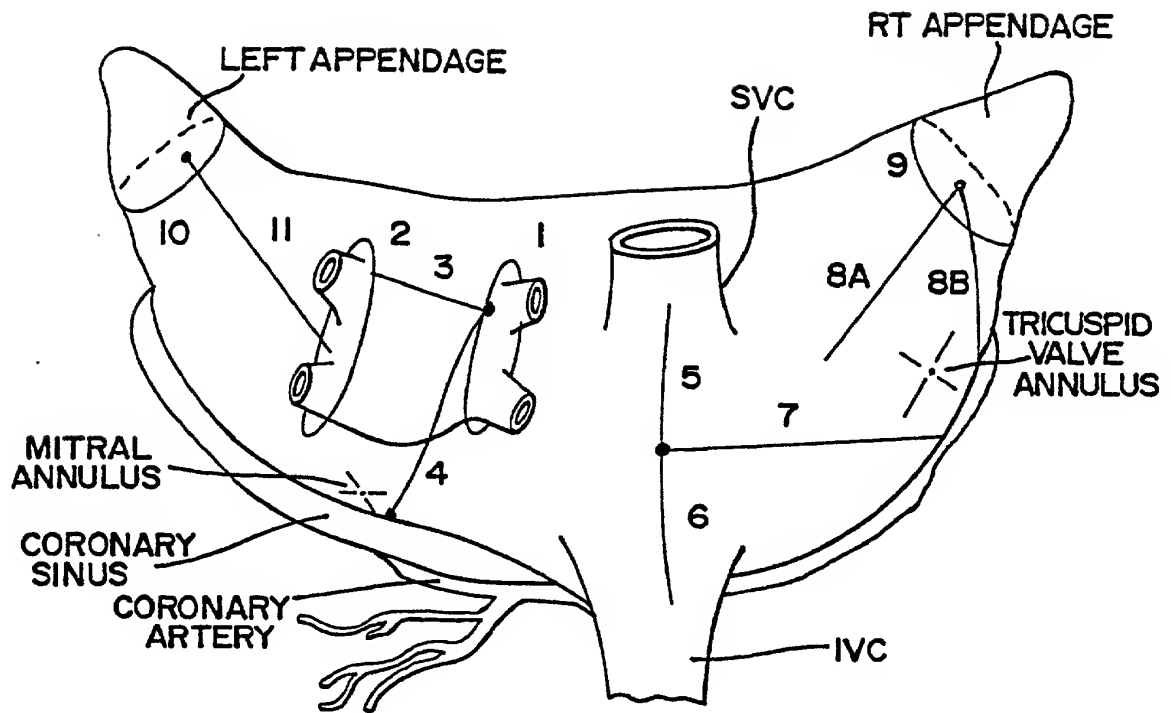


FIG. 75

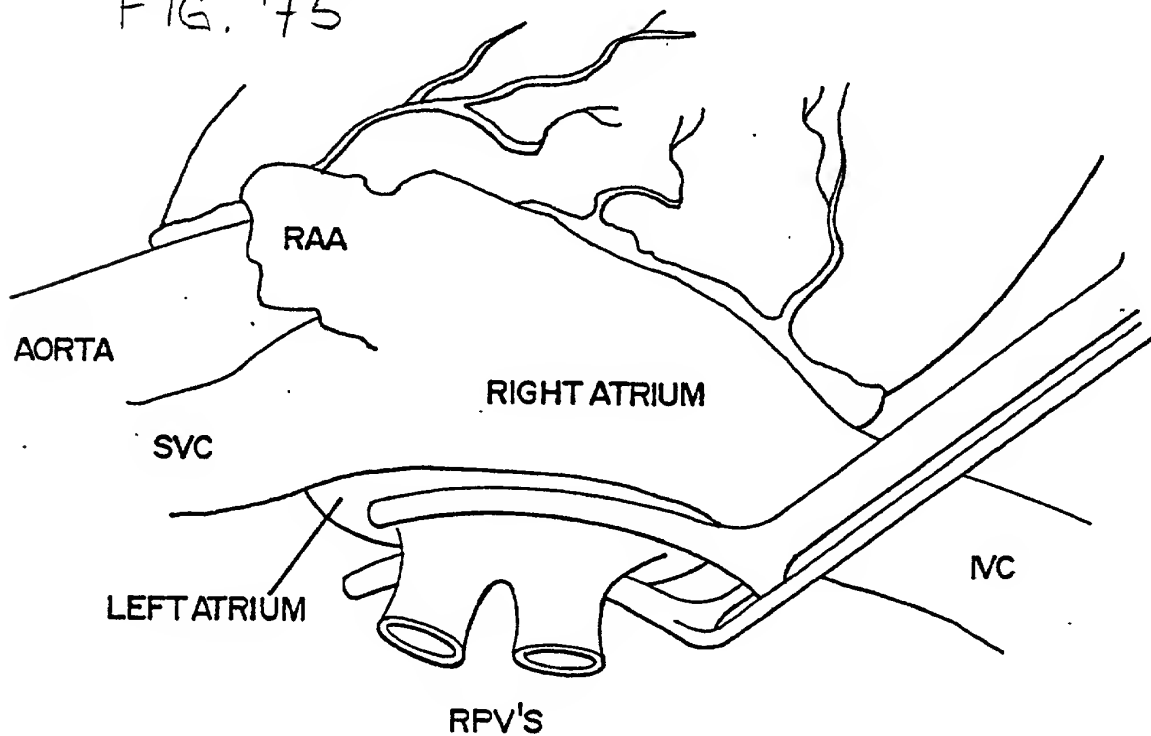


FIG. 76

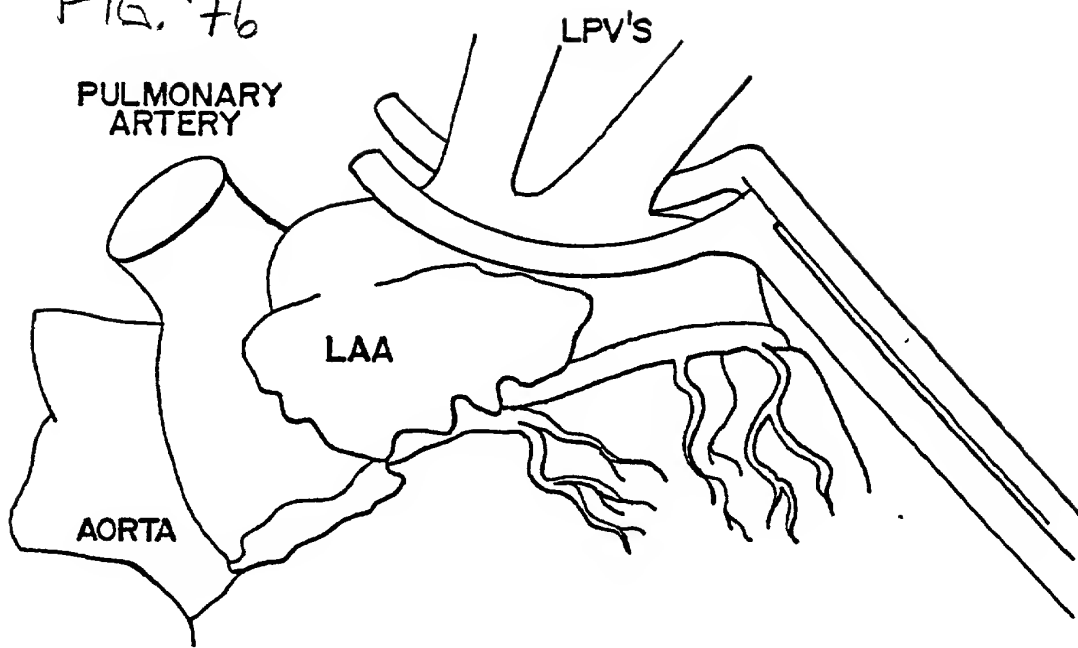
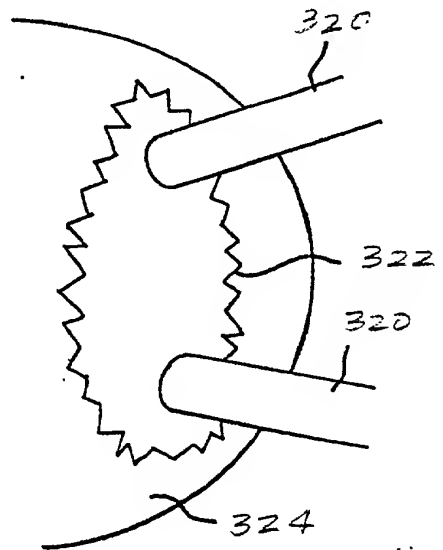


FIG. 77



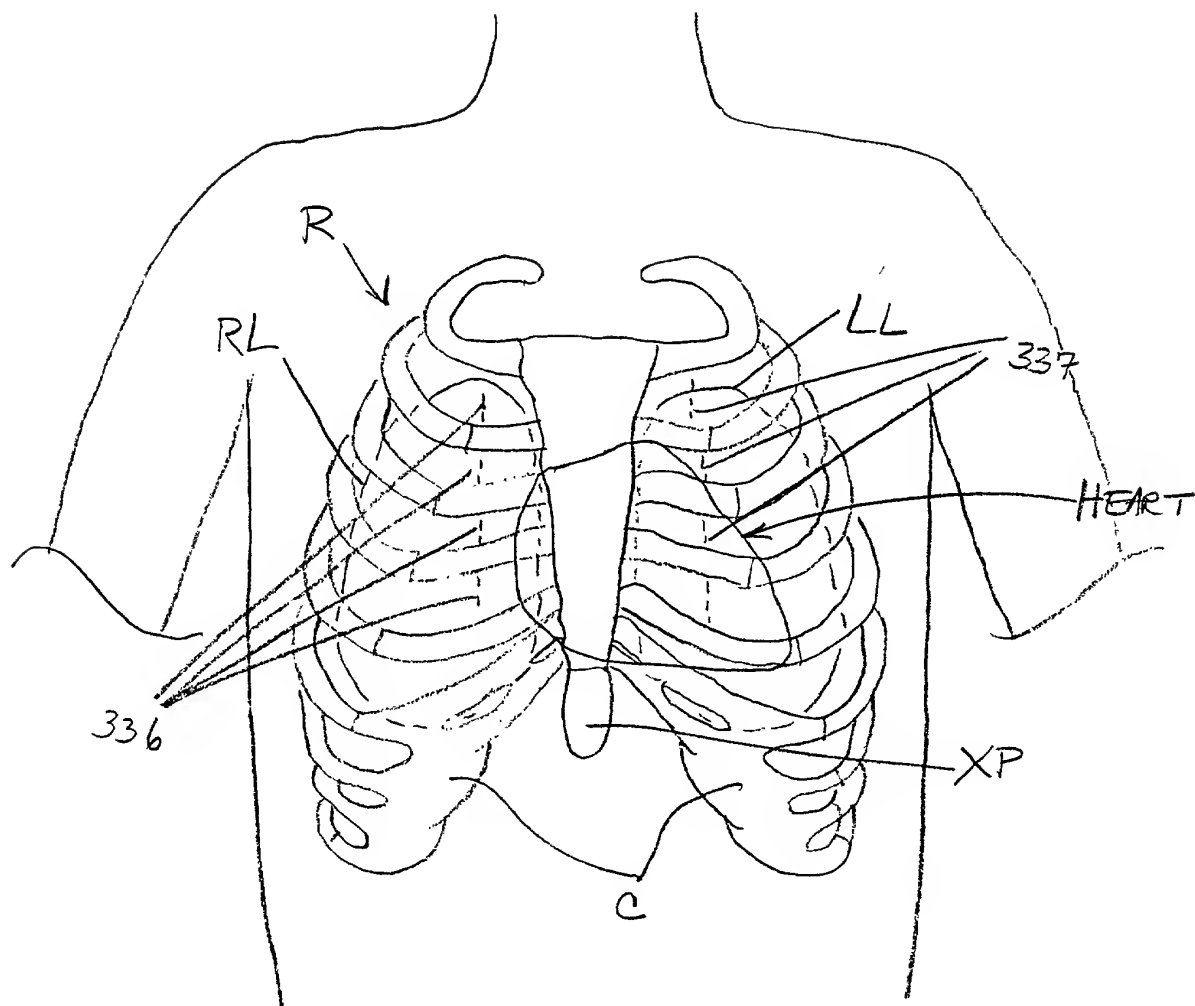


FIG. 78

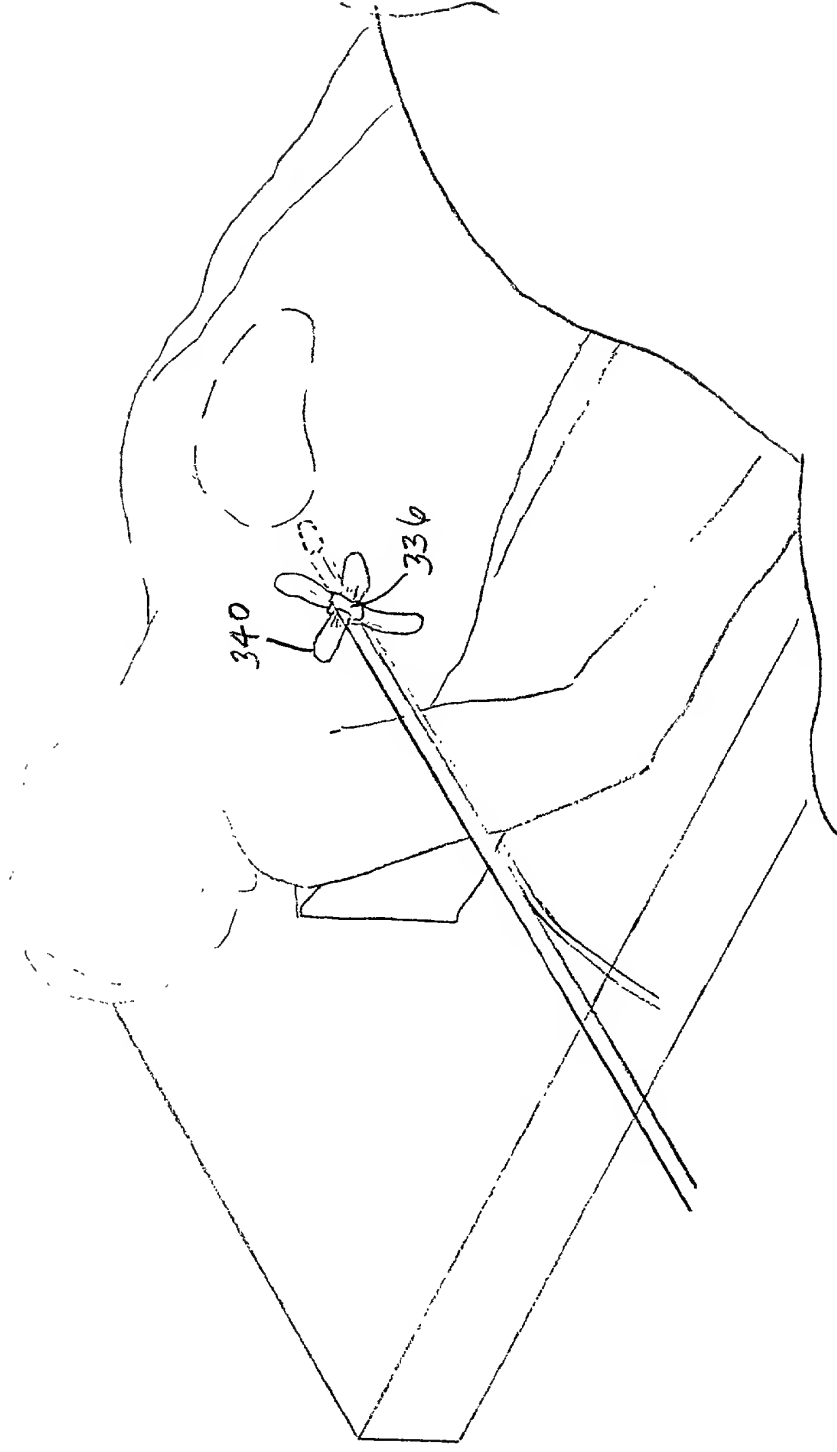


FIG. 79

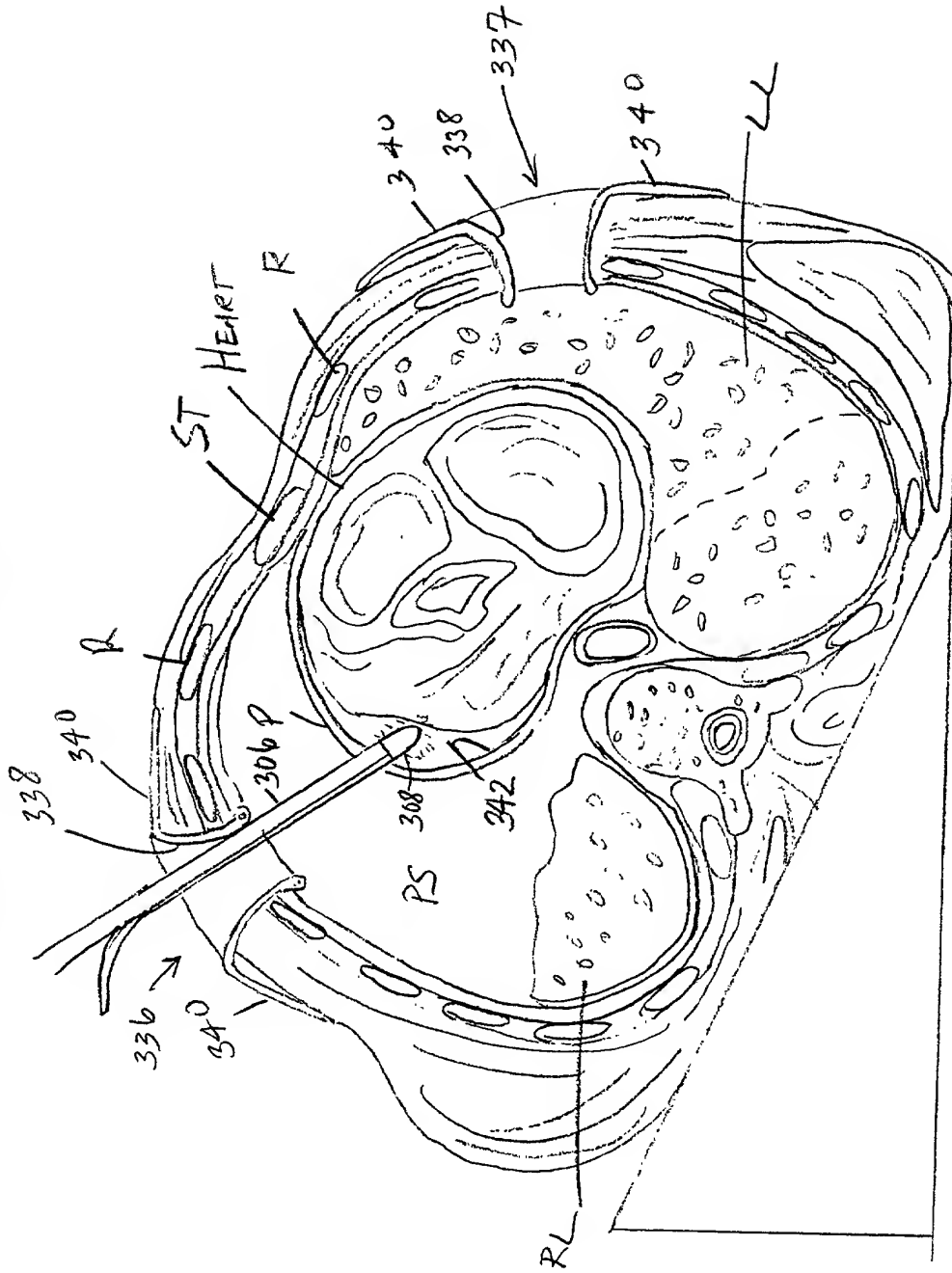


FIG. 81

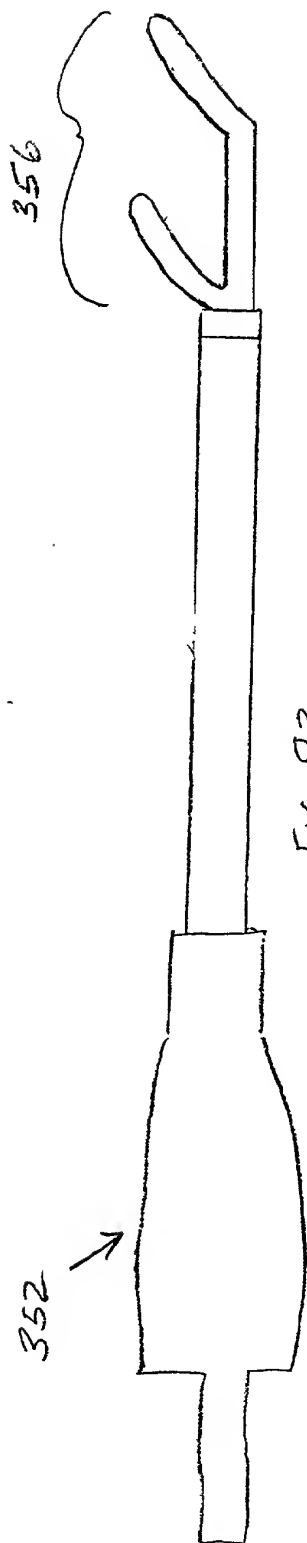


FIG. 83

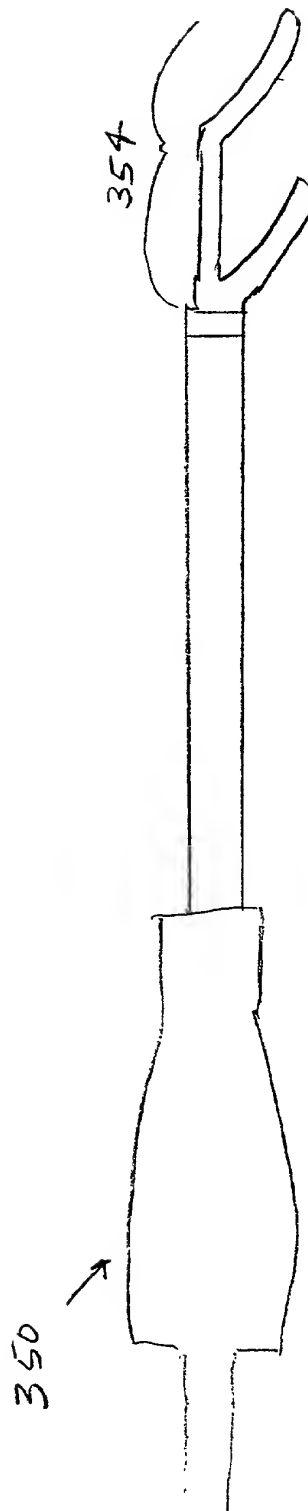


FIG. 83A

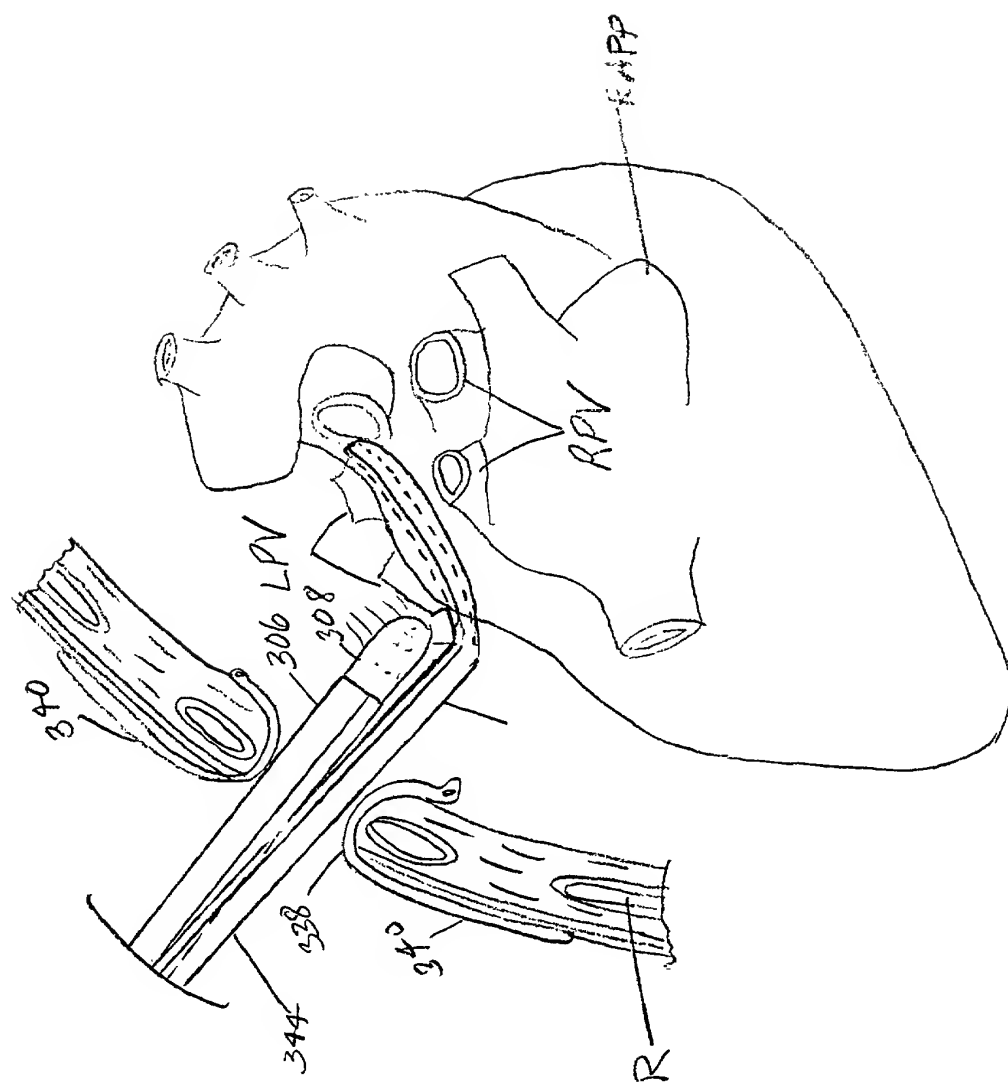


Fig 84

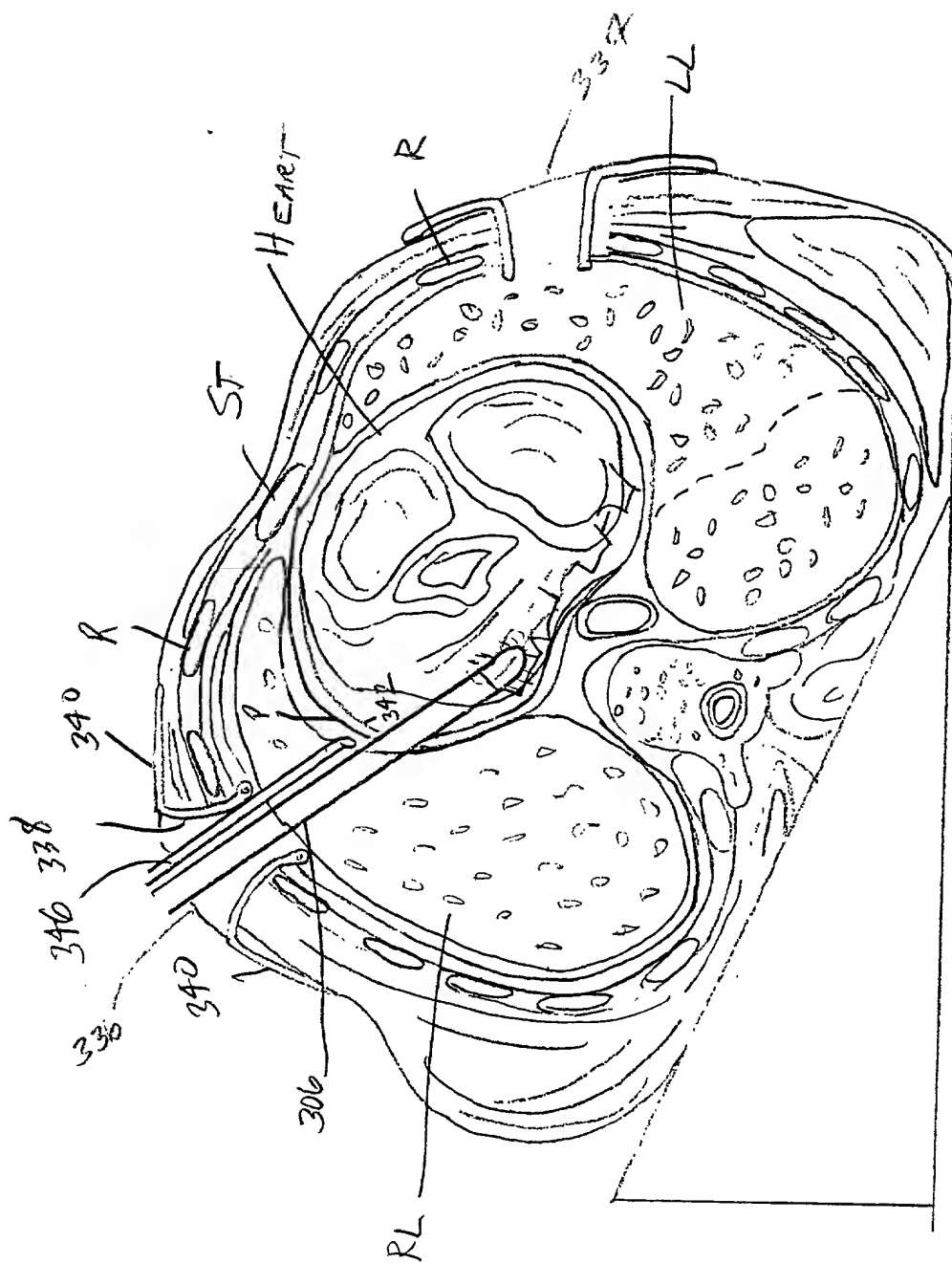
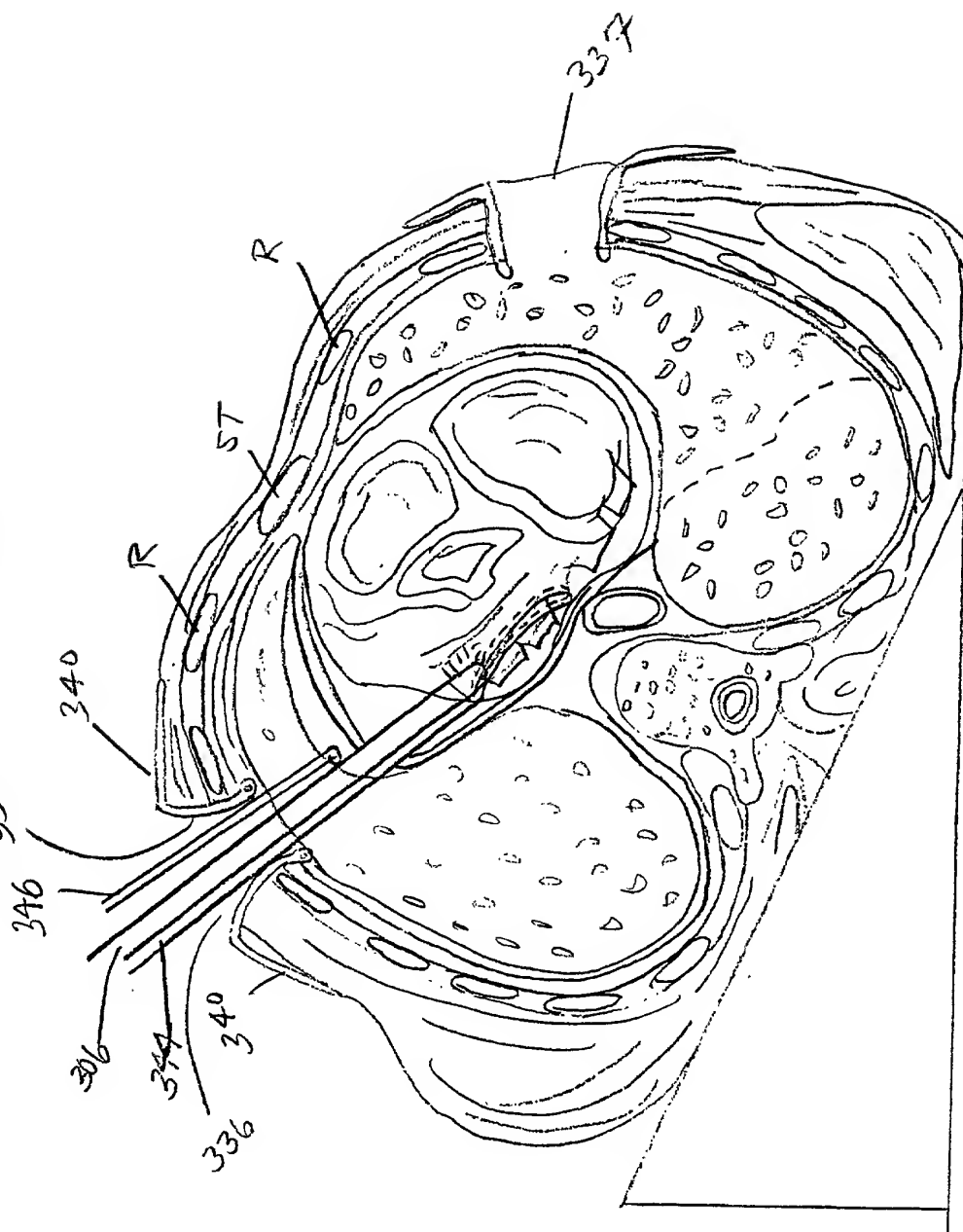


Fig. 5.

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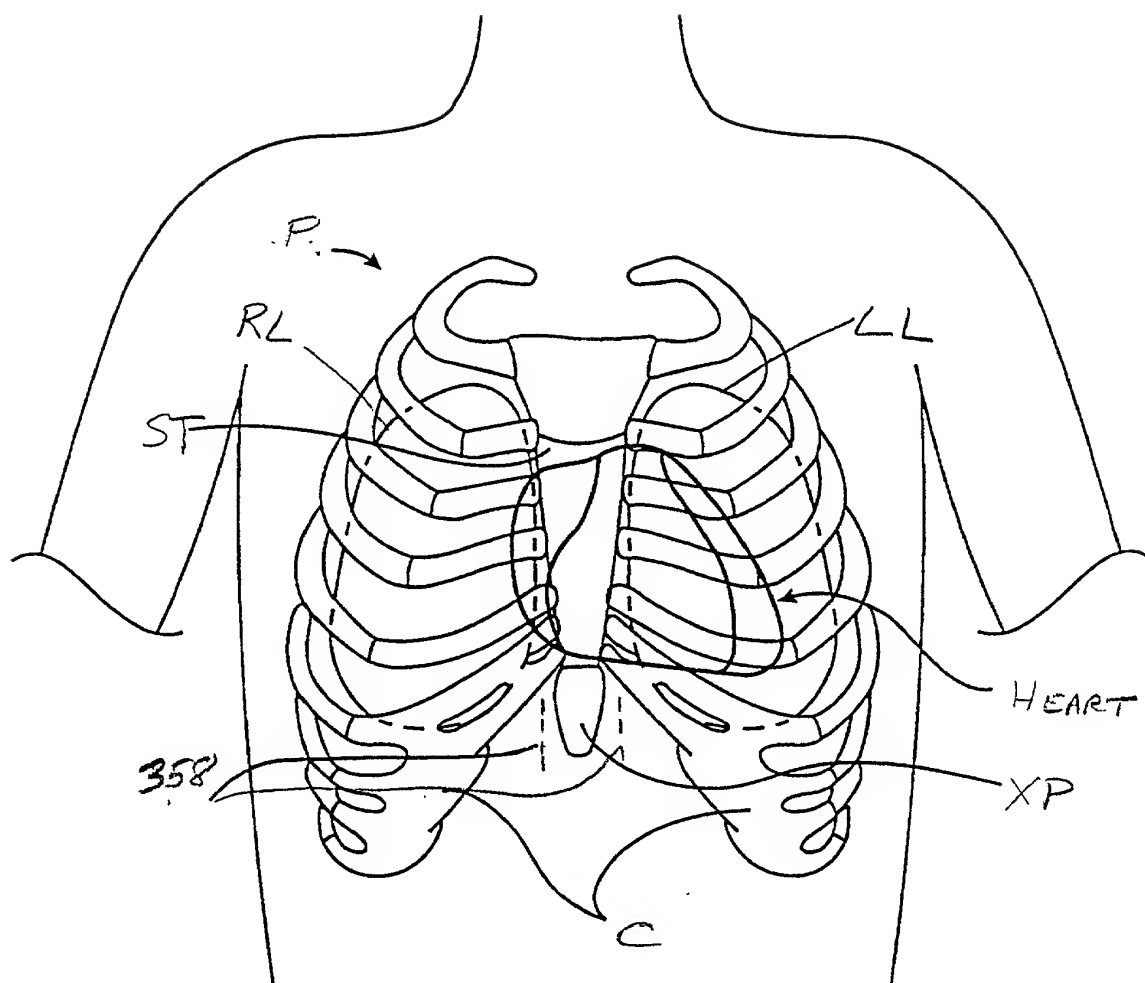


FIG. 87

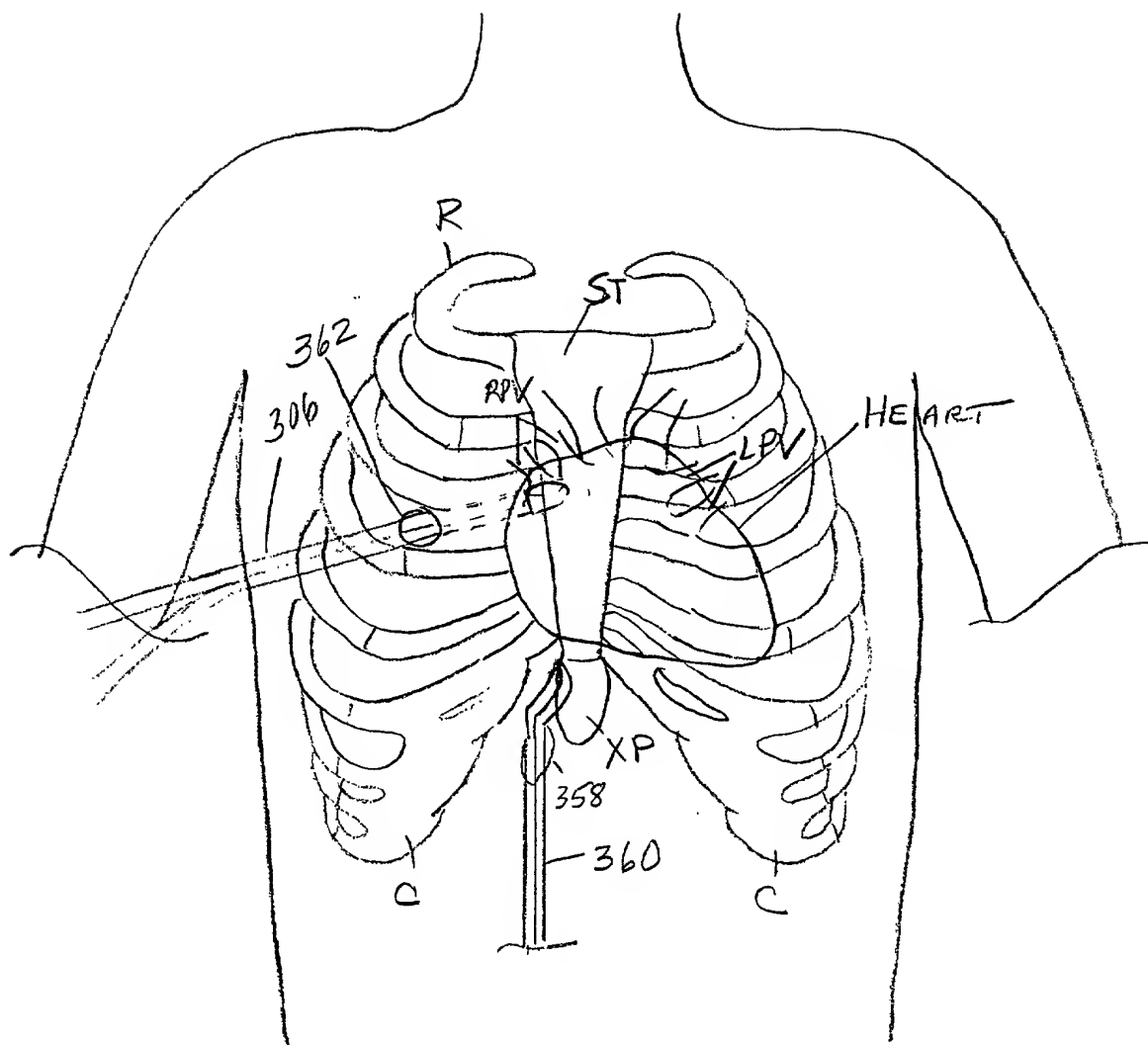


FIG. 88

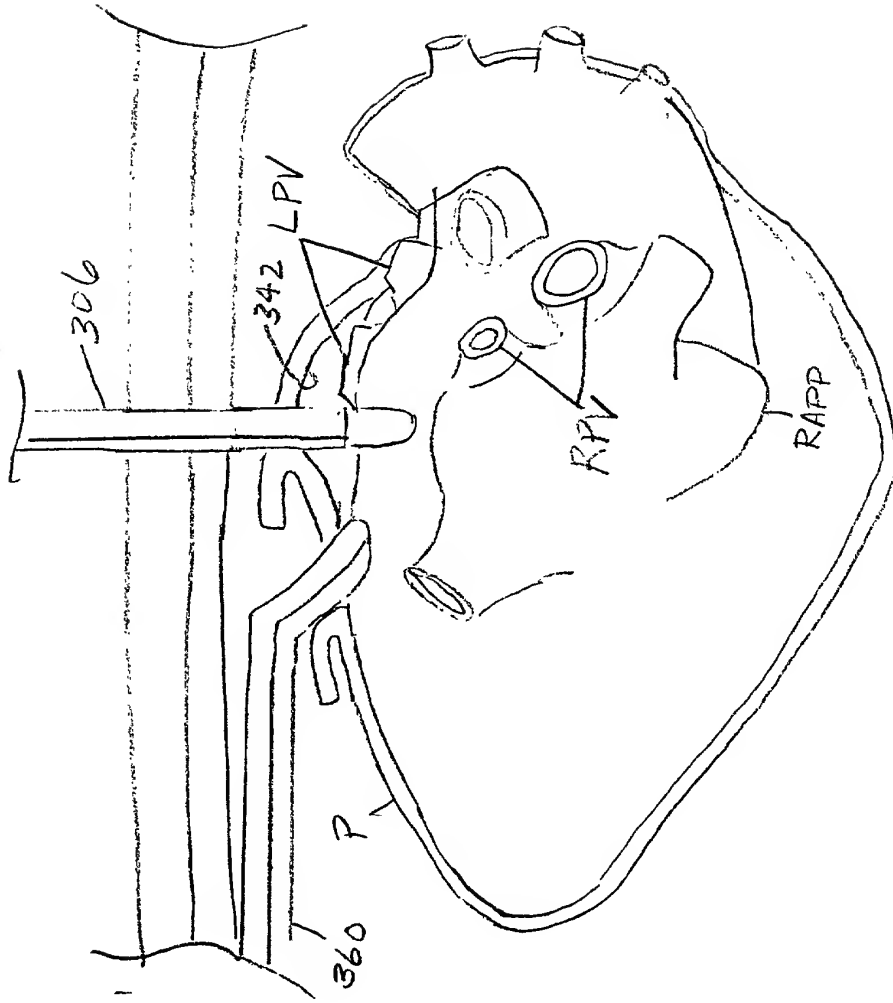


FIG. 89

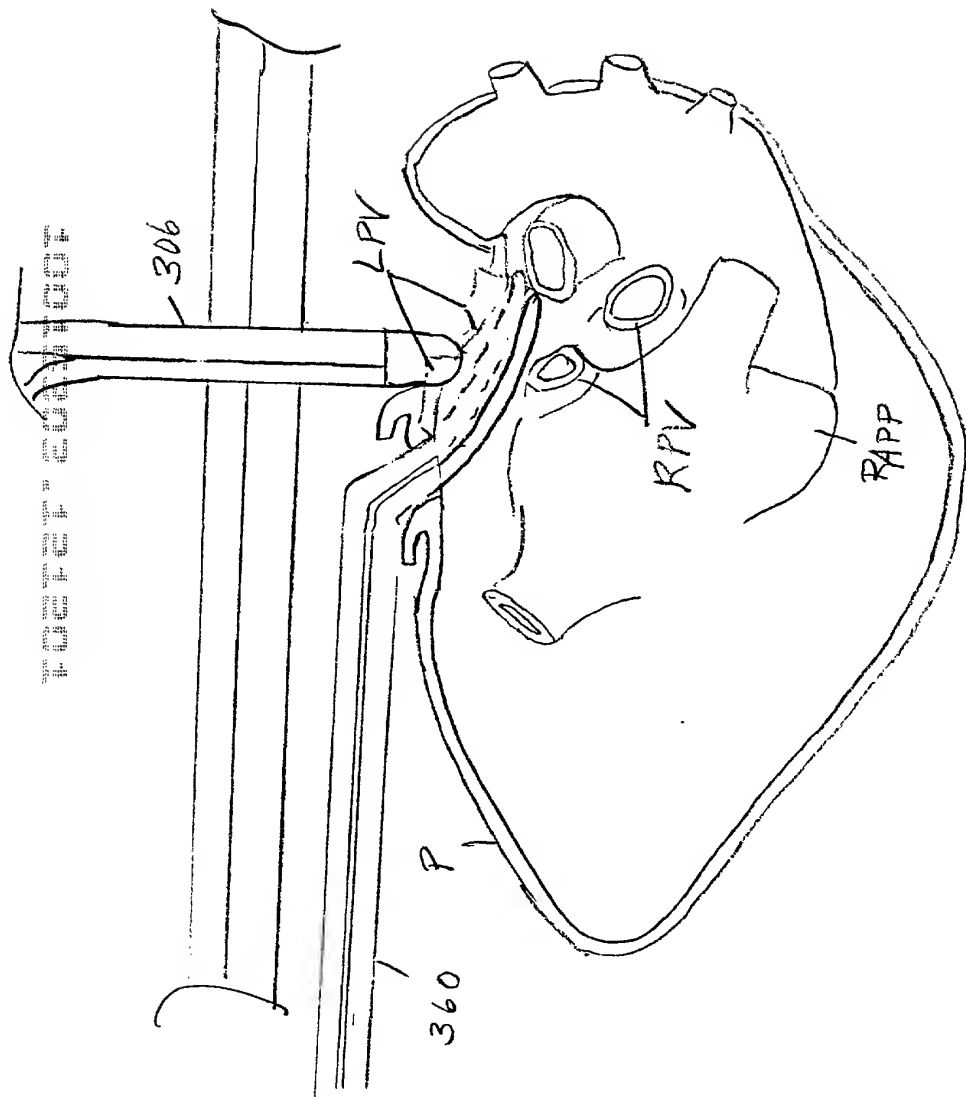


FIG. 90

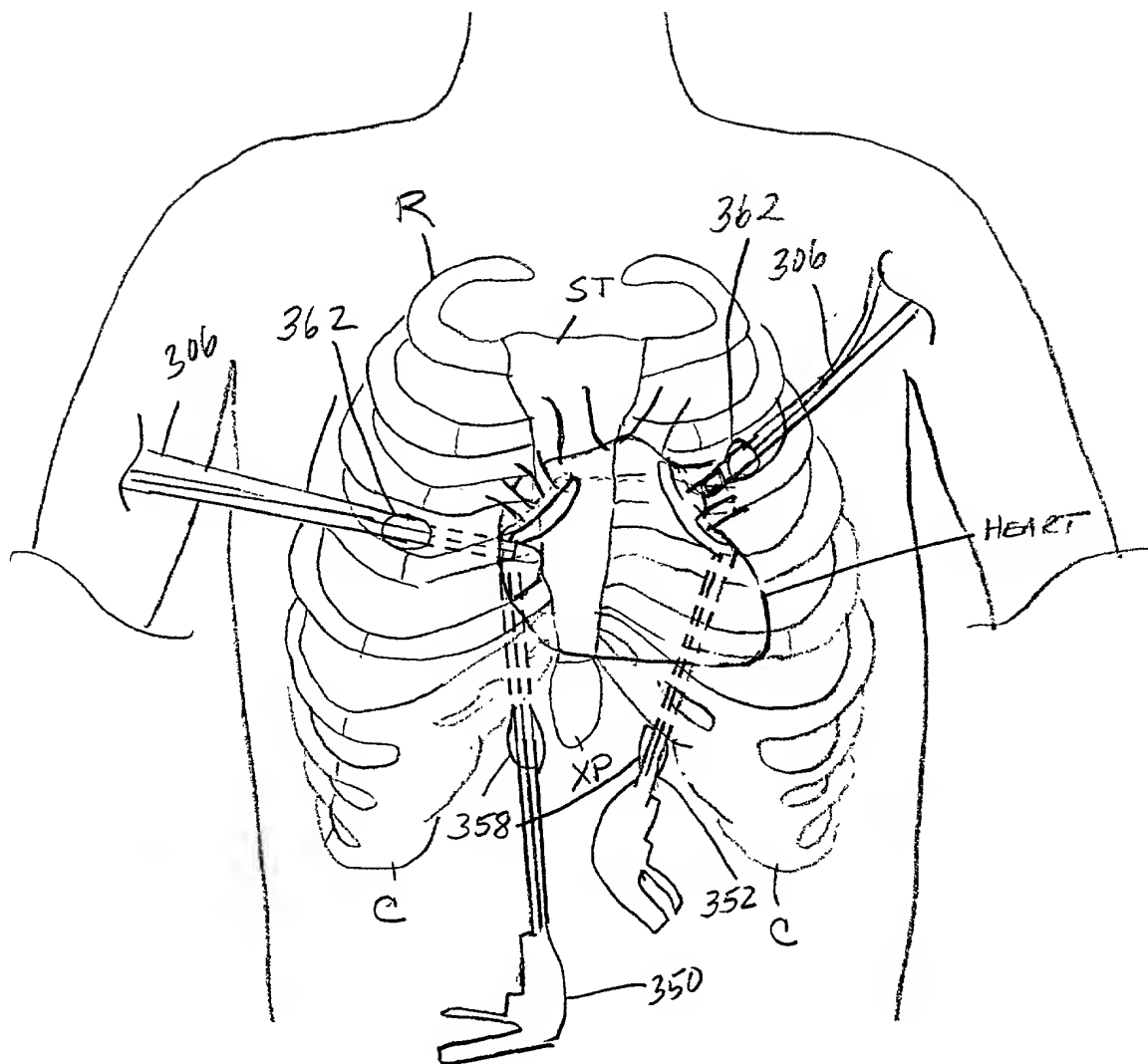


FIG 91

FIG. 92 is a schematic diagram of a patient in a prone position with a catheter inserted into the right pulmonary vein (RPV) for the purpose of measuring pulmonary pressure. The catheter is inserted into the RPV through the chest wall (C) and the diaphragm (D). The catheter is connected to a pressure transducer (XP) and a pressure monitor (358). The pressure monitor is connected to a catheter (364) which is inserted into the right pulmonary vein (RPV) for the purpose of measuring pulmonary pressure. The catheter is inserted into the RPV through the chest wall (C) and the diaphragm (D). The catheter is connected to a pressure transducer (XP) and a pressure monitor (358). The pressure monitor is connected to a catheter (364) which is inserted into the right pulmonary vein (RPV) for the purpose of measuring pulmonary pressure.

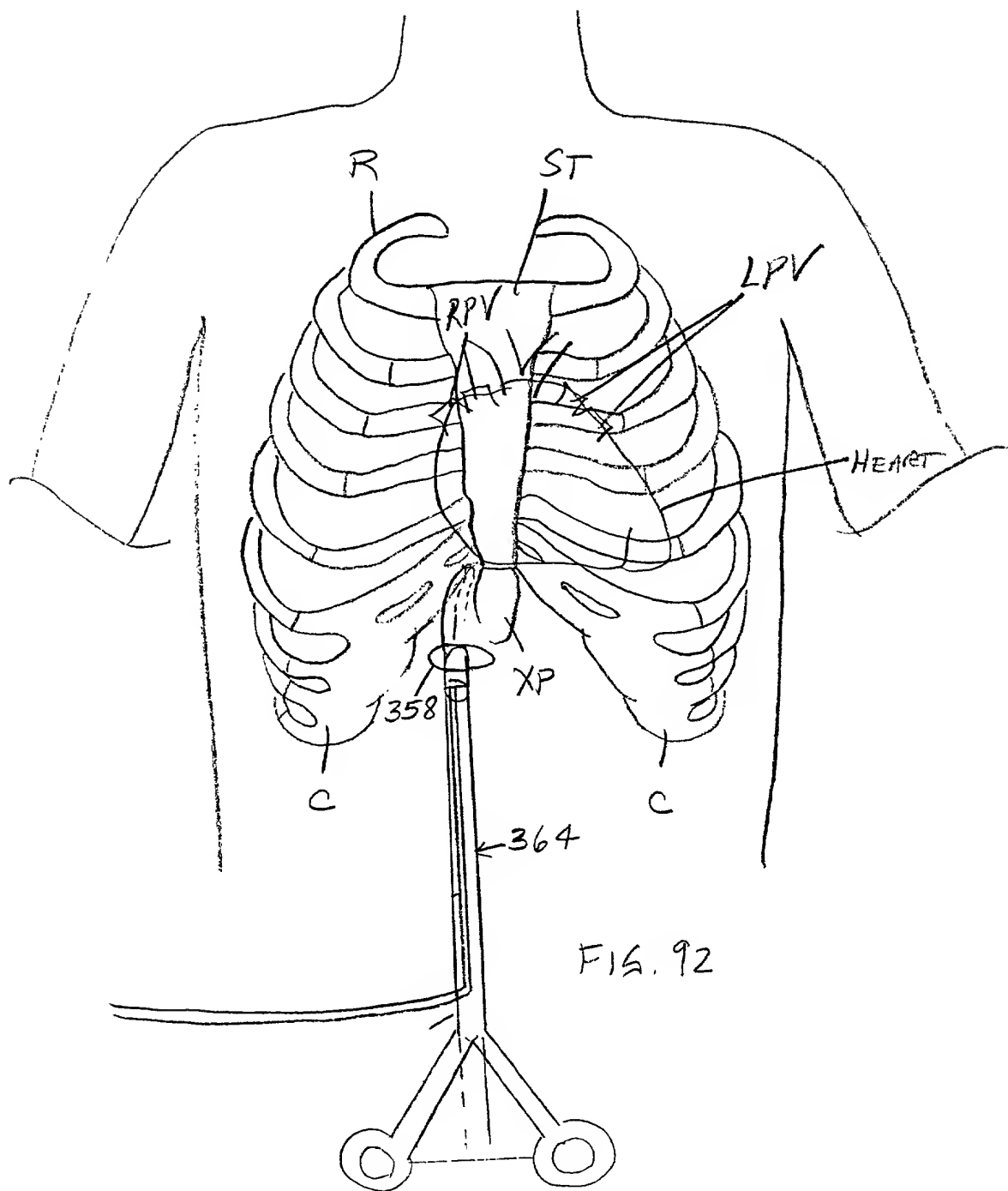


FIG. 92

FIG. 93 is a schematic diagram of a heart 340 showing a catheter 342 inserted into the left pulmonary vein (LPV) and a catheter 364 inserted into the right pulmonary vein (RPV). The right atrium (RA) and right ventricle (RV) are also shown.

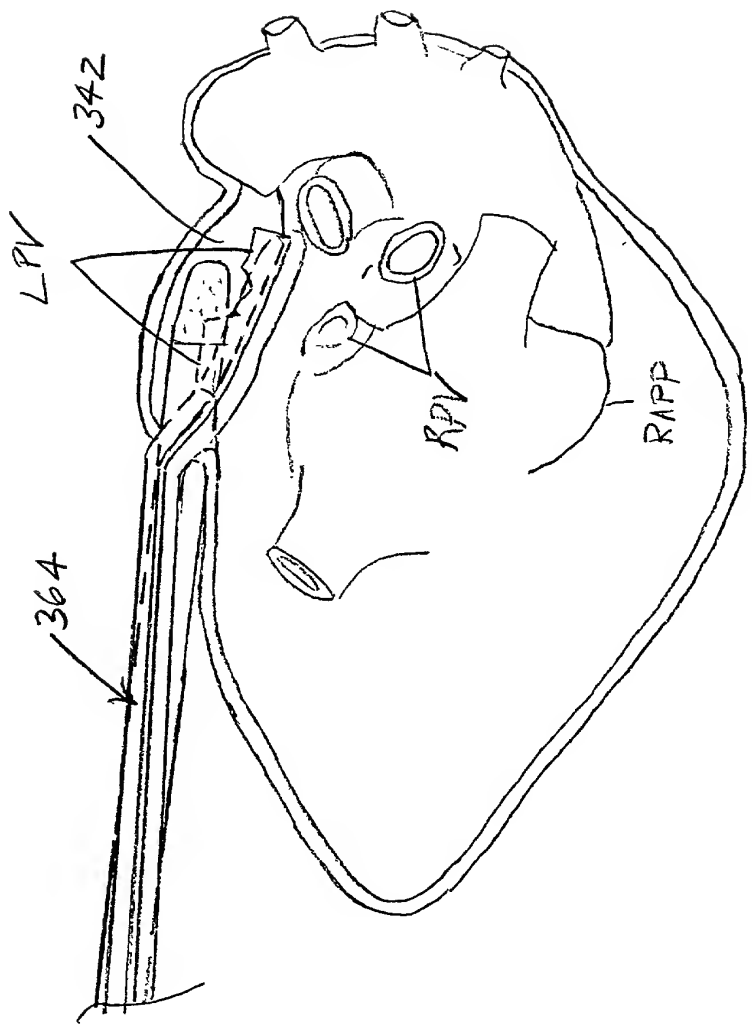


FIG 93

X

FIG. 95

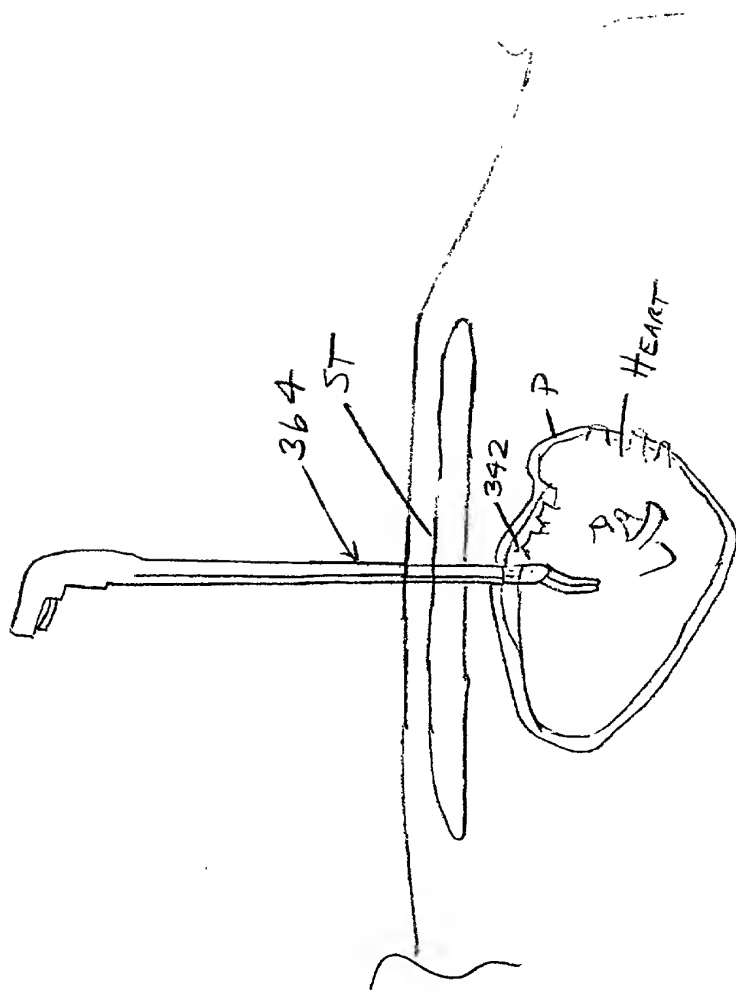


FIG. 95

FIG. 96 is a schematic diagram of a human torso showing the rib cage and the heart. The diagram is labeled with various anatomical features and components.

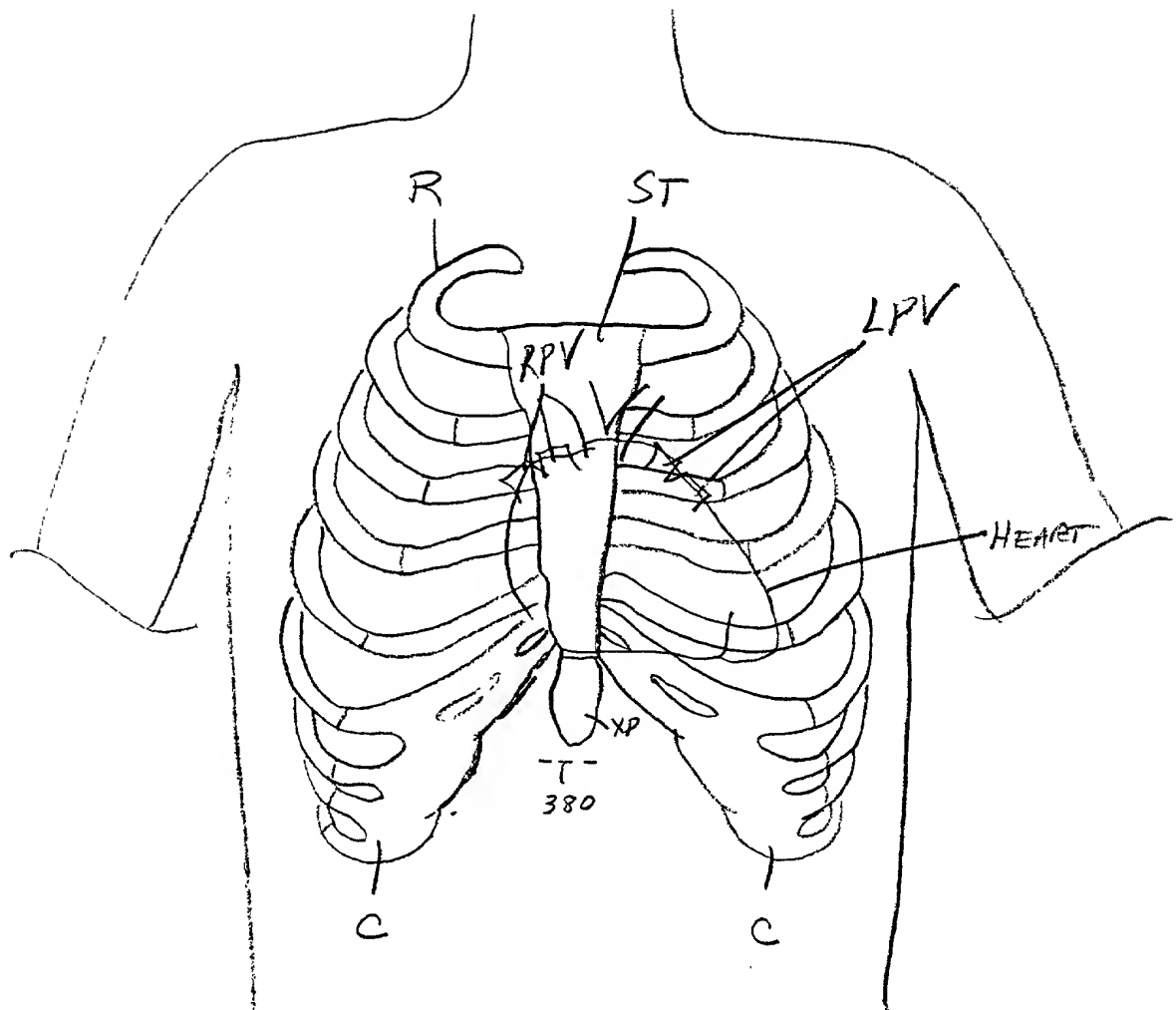


FIG. 96

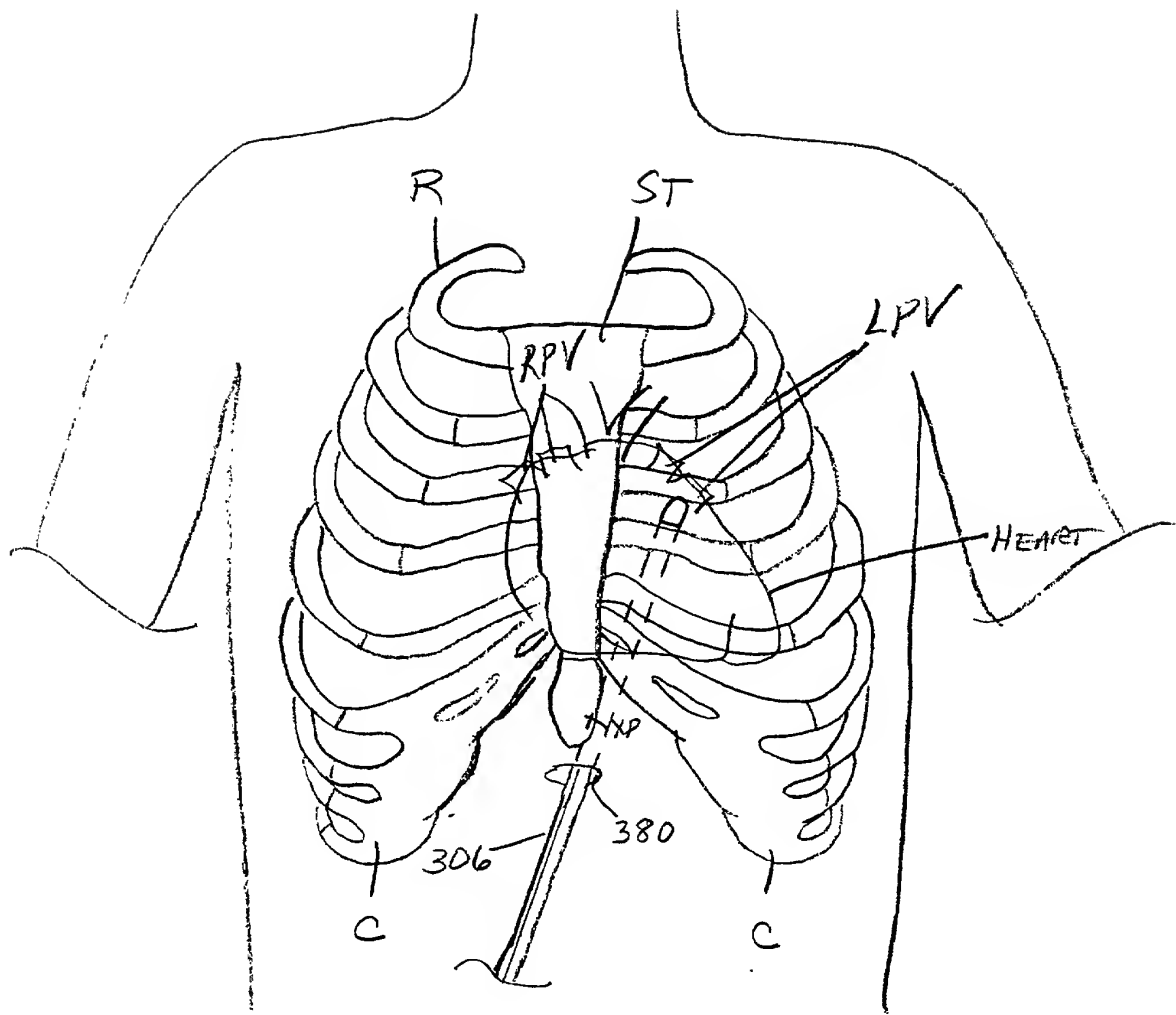


FIG. 97

FIG. 98 is a schematic diagram of a heart 300 with a catheter 306 inserted into the left pulmonary vein (LPV) 342. The catheter 306 has a proximal end 382 and a distal end 384. The heart 300 shows the right ventricle (RV) and the left ventricle (LV). The catheter 306 is shown in cross-section with internal structures 382 and 384. The proximal end 382 is connected to a pump 386. The distal end 384 is positioned within the LPV 342. The heart 300 is shown in a cross-sectional view with the catheter 306 inserted into the LPV 342. The catheter 306 is shown in cross-section with internal structures 382 and 384. The proximal end 382 is connected to a pump 386. The distal end 384 is positioned within the LPV 342.

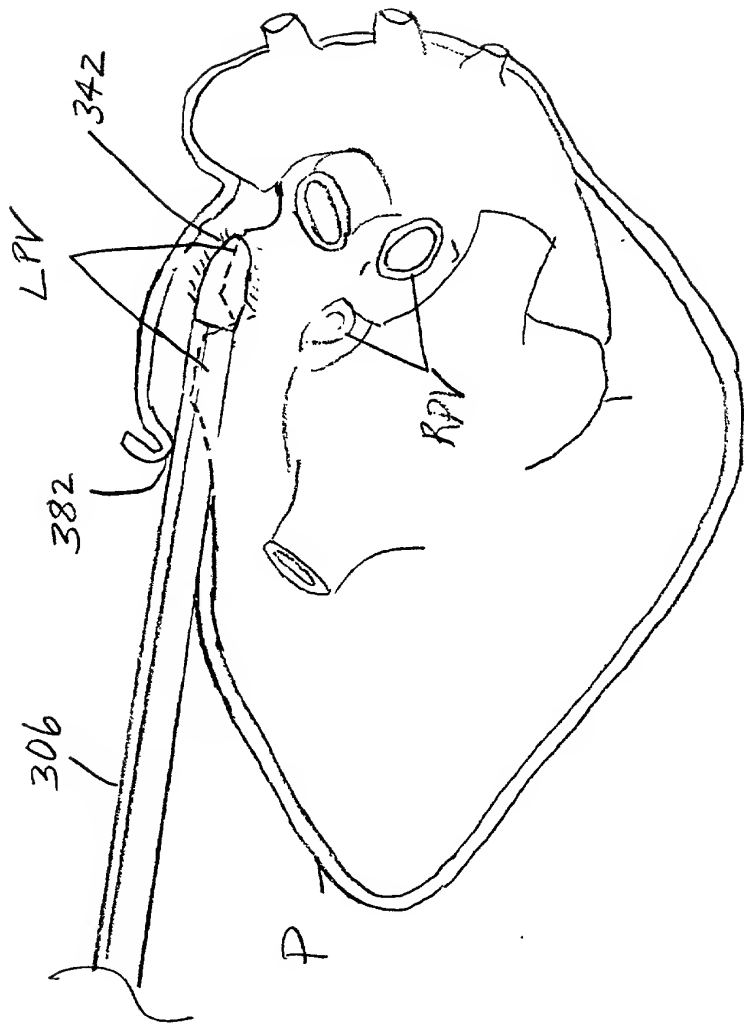


FIG. 98

X

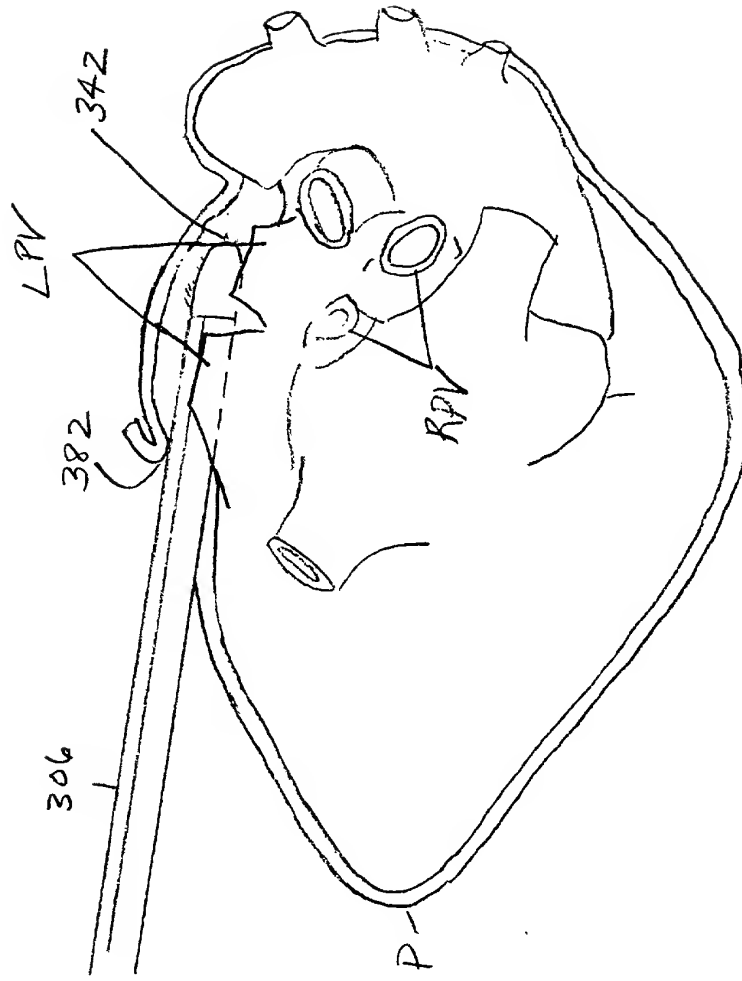


FIG. 99

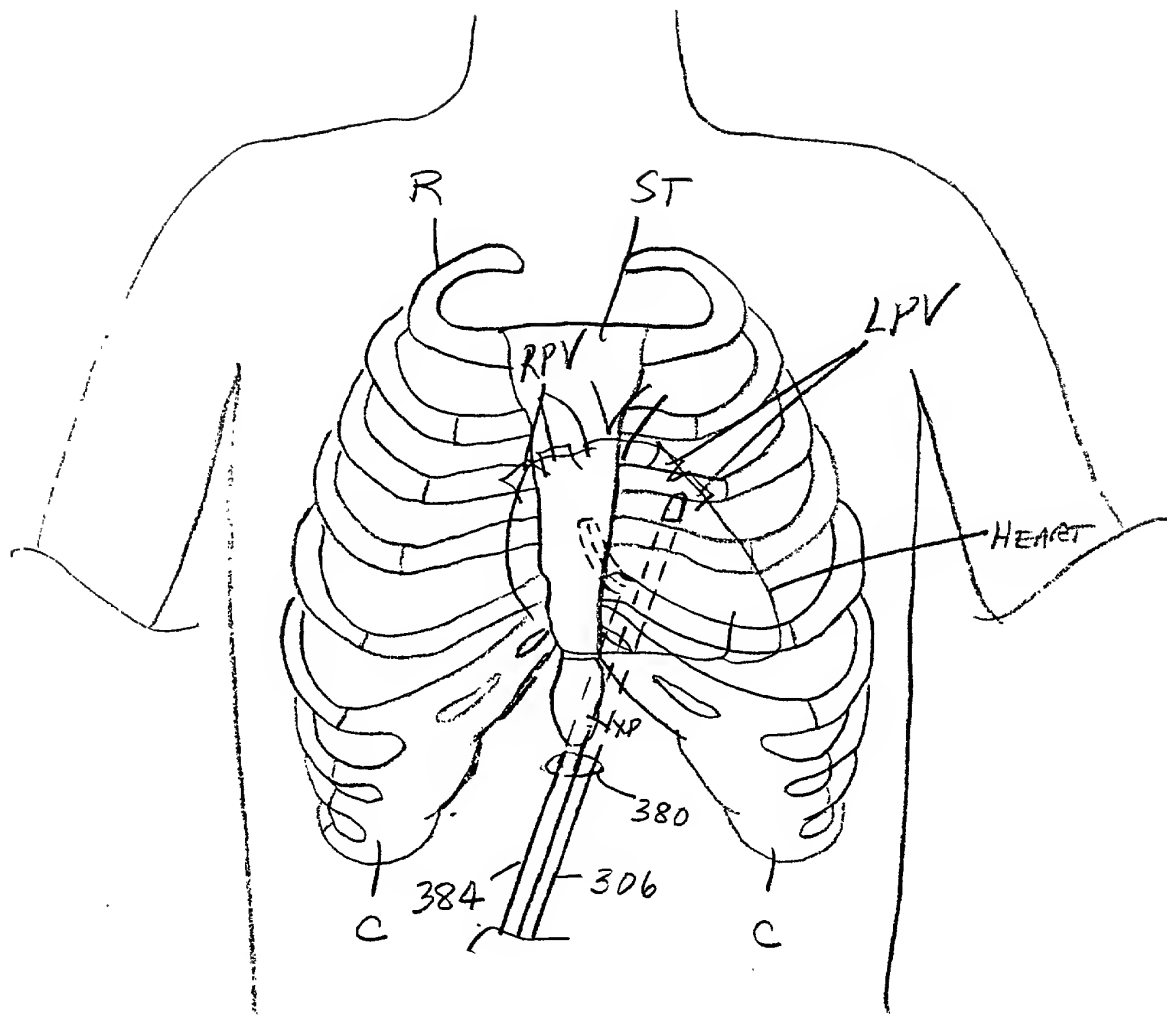
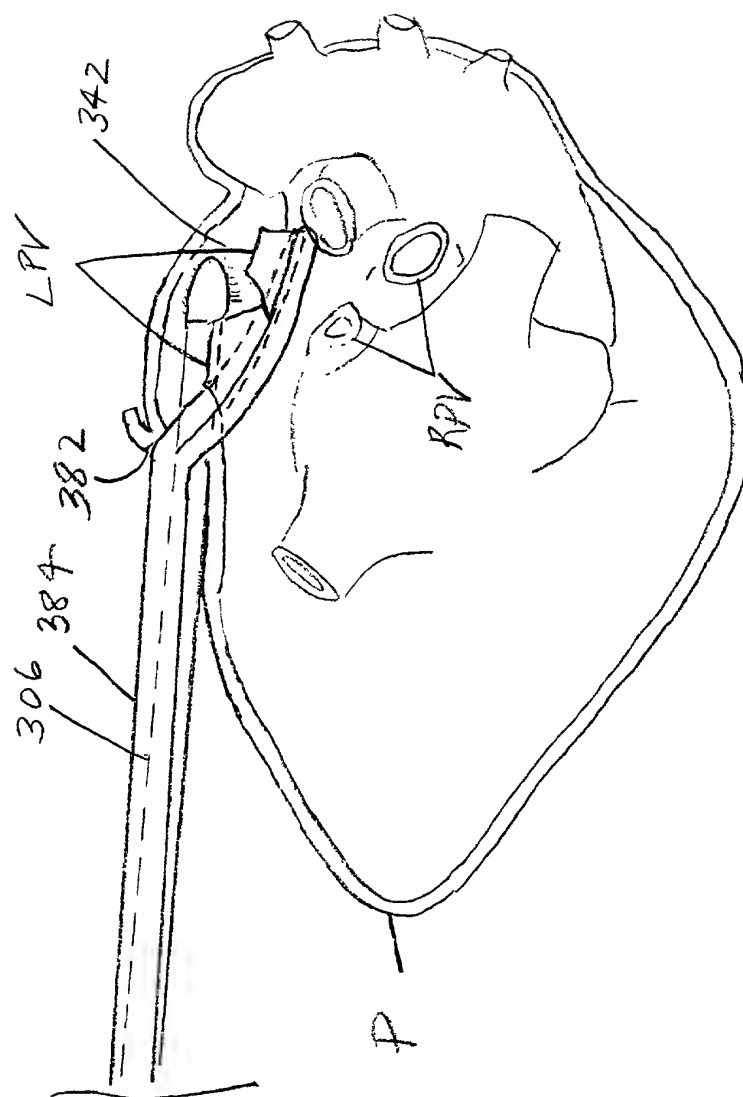


FIG. 100



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